

UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT PUBLIC ADVISORY COMMITTEE MEETING

QUARTERLY MEETING

Alexandria, Virginia

Thursday, November 19, 2020

1 PARTICIPANTS:

2 PPAC Members:

3 JULIE MAR-SPINOLA, Chair

4 JENNIFER CAMACHO, Vice Chair

5 STEVEN CALTRIDER

6 BERNARD CASSIDY

7 JEREMIAH CHAN

8 TRACY G. DURKIN

9 MARK GOODSON

10 DAN LANG

11 JEFFREY SEARS

12 Union Representatives:

13 KATHLEEN DUDA

14 CATHERINE FAINT

15 USPTO:

16 ANDREI IANCU, Under Secretary of Commerce for
Intellectual Property and Director of the USPTO

17 ROBERT BAHR, Deputy Commissioner

18 SCOTT BOALICK, Chief Judge, Patent and Trial
19 and Appeal Board

20 JACKIE BONILLA, Deputy Chief Judge, Patent Trial
21 and Appeal Board

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3 Director for International Affairs4 KAL DESHPANDE, Lead Judge, Patent Trial and
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6 ROBIN EVANS, Deputy Commissioner for Patents

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P R O C E E D I N G S

(11:05 a.m.)

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3 MS. MAR-SPINOLA: Okay, good morning,
4 everyone. This is Julie Mar-Spinola. Welcome to
5 our fourth quarterly meeting of the year, also our
6 last year. I appreciate everybody's attendance,
7 and I welcome everybody. I'm going to be brief
8 this morning because we have a lot to cover.
9 We've had definitely a challenging, but productive
10 year. And you're going to hear a lot of great
11 things about that. We will be discussing aspects
12 of our annual report that will be published soon.
13 And then move forward to talking about what we
14 foresee for next year, 2021.

15 First, if I may, I'd like to introduce
16 the PPAC members. There's Barney Cassidy, who is
17 a chair of AI Subcommittee. Dan Lang, chair of
18 the Finance Subcommittee. Jeff Sears, chair of
19 the PTAB Subcommittee -- pardon me. And then
20 Jennifer Camacho, chair of the Innovation
21 Expansion Subcommittee. Jeremiah Chan, co-chair
22 of the AI Subcommittee with Barney Cassidy. Mark

1 Goodson, chair of the IT Subcommittee. Steven
2 Caltrider, chair of the Pendency Quality
3 Subcommittee. Tracy-Gene Durkin, who is our chair
4 of the International Subcommittee. And in
5 addition, we have our union reps, Catherine Faint
6 and Kathleen Duda with us.

7 So, with that, I'd like to turn it over
8 to the Director Andrei Iancu. Good morning.

9 MR. IANCU: Okay, good morning, Julie.
10 Just to be sure, you can hear me, right, Julie?

11 MS. MAR-SPINOLA: I can hear you loud
12 and clear. Thank you. I can't see you. There
13 you are. All right.

14 MR. IANCU: Okay. Okay, well, you're
15 not missing much if you cannot see me. But at
16 least you can hear me, that's the key. Well,
17 thank you very much. And good morning, everyone.
18 And it's so good to see all of you. Although,
19 once again, we are virtual. We've been virtual
20 for most of this year as everybody knows. But in
21 any event, I hope that you, your loved ones, and
22 everybody surrounding you is in good health and

1 that you stay safe throughout the upcoming
2 holidays.

3 PPAC members and those watching, you
4 have a full day ahead of you. And, we really do
5 appreciate that you are devoting so much valuable
6 time to such an important and worthy cause. Our
7 IP system is more important now than ever.
8 Indeed, our IP system has created a foundation
9 upon which researchers and scientists and
10 engineers are doing so much good work to help
11 address this pandemic to develop vaccines and
12 therapeutics and PPE and ventilators and
13 everything else that the United States needs, as
14 well as the rest of the world.

15 Let me give you an overview of our
16 operations here at the USPTO over the last few
17 months since we have last met. As you know,
18 almost all of our employees continue to telework.
19 And despite all that, remarkably, their
20 productivity continues to improve. A true
21 testament to the incredible dedication of our
22 public servants at the USPTO. All of our hearings

1 and examiner interviews are being conducted
2 virtually. We remain in Phase One of operations
3 at our Alexandria headquarters, as well as the
4 four regional offices. This means that our
5 buildings are still closed to the public, but a
6 few employees can come into the offices as needed.
7 Given the latest trends in the pandemic we're
8 seeing throughout the country, it appears that we
9 will remain in Phase One for the immediate future.
10 Ultimately, the health and safety of our employees
11 and the continuity of operations remain our top
12 priorities.

13 As everyone now knows, we shifted to
14 full-time telework back in mid-March or so. It
15 has been a seamless transition made possible by
16 the herculean efforts of the PTO IT team. They
17 have been working around the clock, literally, to
18 ensure our infrastructure is operating at its peak
19 and supporting our vast operations.

20 Like the rest of the country and our
21 economy, filings at the USPTO were impacted by the
22 pandemic. Serialized patent filings increased by

1 0.7 percent in the 2020 fiscal year, which just
2 ended in September 2020. But this slight increase
3 was lower than the planned 2 1/2 percent.
4 Virtually all of the growth was driven by filings
5 from China with an increase of 19.3 percent and
6 South Korea with an increase of 16.6 percent.
7 Filings from virtually all other nations,
8 including those from the United States, were down
9 last fiscal year. Nonetheless, small and micro
10 entity patent filings and patent grants were at
11 the historic high in fiscal year 2020.

12 Requests for continued examination
13 filings decreased by 9 percent last year. This is
14 a reversal from the 0.4 percent increase in fiscal
15 year 2019 and it signifies less demand for rework.
16 Meanwhile, provisional patent application filings
17 have increased by 2.9 percent. And design filings
18 increased by 4.2 percent, a reversal from 2019,
19 when they declined by 0.4 percent.

20 On the trademark side, just so folks on
21 the PPAC know and keep an eye on the other side of
22 operations, so, on the trademark side, original

1 filings are booming, setting a new record last
2 year with an increase of more than 9 percent.
3 This is despite a sharp decrease that occurred
4 earlier in the year at the start of the pandemic
5 in the United States. And, it illustrates a
6 typical and rather sharp V-shaped recovery. As
7 usual, trademark filings are closely coordinated
8 with the overall economy. Patent filings on the
9 other hand, are a lagging indicator and usually
10 trail overall economic performance by several
11 months or longer. This is why it is unsurprising
12 that we are now seeing declines in patent filings.

13 Late stage maintenance fee renewal rates
14 have also been sliding even before the pandemic.
15 By the way, on the trademark side and in contrast
16 with original filings on the trademark side,
17 trademark renewals have also been lower than
18 expected and our projected to create a \$12.3
19 million under collection. Again, that's just for
20 reference.

21 In other news, we recently released two
22 major reports on artificial intelligence (AI).

1 The Office has been very busy on a AI both with
2 respect to our own use of AI at the USPTO for
3 operations, as well as in AI policy from an IP
4 point of view in the United States. You'll hear a
5 lot more about those various issues later during
6 the meeting throughout the day.

7 In the most recent AI report, we found a
8 tremendous increase in patent applications filed
9 that relate in some manner to artificial
10 intelligence. For example, there was 100 percent
11 increase in AI patent applications from 2002 to
12 2018. Patent applications containing AI grew from
13 9 percent to nearly 16 percent. We also found
14 that AI patent recipients are
15 geographically-disbursed, and that
16 inventor-patentees in this field increased from 1
17 percent in 1976 to 25 percent in 2018. In the
18 other AI report issued this past summer, we
19 synthesized hundreds of public comments we
20 received on questions regarding IP policy
21 surrounding AI and machine learning technologies.
22 We found there was agreement among our

1 stakeholders that current IP laws didn't generally
2 address issues associated with AI patenting in an
3 adequate fashion. Comments received also
4 confirmed the legal standard that only a natural
5 person or a company should be considered in their
6 view, the owner of a patent or invention. But the
7 public urge continued attention to all of these
8 issues. And that's exactly what we will be doing
9 and are doing.

10 We have also made tremendous progress
11 with the use of AI tools in our own processes here
12 at the USPTO. For instance, in the AI report that
13 I just mentioned, we actually used AI to identify
14 AI patents. In other words, our researchers
15 developed their own artificial intelligence
16 program to look through the vast databases of
17 patents since 1976 to identify which of those
18 patents contained AI. But we are using AI tools
19 in so many more applications. We are developing,
20 for example, AI technologies to help us with
21 classification, with prior art searching, with
22 image location, and the like. Again, you will

1 hear a lot more about all of these efforts
2 throughout the day.

3 On the trademark side too, again, just
4 to keep an eye on the other side of the business
5 operations, AI tools are being deployed to
6 identify fraudulent specimens and reduce the
7 unauthorized use of trademarks. We are also, by
8 the way, using embedded AI systems to provide the
9 public with access to our highest value databases.
10 AI is an exciting and dynamic technology that will
11 have a tremendous impact on the USPTO and on the
12 entire society. This is a work in progress at the
13 USPTO as it is in the rest of the nation, and we
14 will stay very much on top of it as an office.
15 But also, importantly, as a country, it is
16 imperative that we be on the forefront of its
17 development.

18 By the way, on this issue, we are also
19 honored by having one of our top executives
20 receive the year's Washington Executive Pinnacle
21 Award. Last week, Chief Information Officer Jamie
22 Holcombe took home the top prize as Artificial

1 Intelligence Government Executive of the Year.
2 For Jamie, it is a true achievement, and we offer
3 him our highest congratulations. So well
4 deserved. But, it is also a great benchmark for
5 the amount of progress we have made in just a few
6 years in modernizing our IT systems and great
7 kudos goes to Jamie's entire team at the USPTO.
8 He and the entire CIO team have been working to
9 create fully redundant systems for the USPTO,
10 among many other improvements.

11 We have been working to move various
12 operations to the Cloud and to multiple data
13 farms, and so much more. Again, you will hear a
14 lot this throughout the day. I am so proud to say
15 that we have come a long way in a short amount of
16 time. It is a tremendous accomplishment for the
17 USPTO and for everyone involved in the American IT
18 ecosystem. But as I've said, much work remains to
19 be done and improvements to our IT infrastructure
20 continue and will continue on a daily basis.

21 At our last quarterly meeting in August,
22 I also talked about changes in examination time,

1 application routing, and the new examiner
2 performance appraisal plan for the patents
3 organization. I am happy to report that these
4 were implemented starting at the beginning of the
5 new fiscal year in October. To fully implement
6 them, we are developing new IT tools, engaging in
7 extensive training, and creating a communications
8 infrastructure to ensure that patent examiners and
9 stakeholders can adopt to the changes. We expect
10 them to substantially improve the examination
11 process. And you will hear more from it -- on
12 these issues from Commissioner Hirshfeld in just a
13 little while.

14 This past October, we also implemented
15 the reorganization of our patents operations. The
16 intent is for senior management to integrate
17 examination and non-examination groups across our
18 deputy commissioners' areas of responsibility.
19 This will foster teamwork and the sharing of
20 diverse perspectives. It will facilitate
21 cross-training of the management staff and provide
22 increased career development paths for our

1 employees. And it will balance the number of
2 employees within the reporting chains of each of
3 our deputy commissioners.

4 Meanwhile, at the Patent Trial and
5 Appeals Board, we continue to improve every aspect
6 of operations as well. Our PTAB judges have
7 reduced the ex parte appeal backlog from 21,000
8 appeals in 2015 to about 7,500 by the end of 2020.
9 In addition, the average pendency of ex parte
10 appeals dropped by 11 percent this year from 15
11 months in 2019 to 13.4 months in 2020. By the
12 way, all this taking place during the year which
13 included the pandemic. And by the way, also, this
14 is down from about 30 months in 2015. As an aside
15 on the patent side of the operations, we reduced
16 overall pendency also in 2020 to 23.3 months.
17 This is down from last year's 23.8 months.

18 Back to the PTAB. We have made great
19 strides over the past three years also to bring
20 balance to AIA trials. We have done this by
21 closing loopholes that allowed repeated challenges
22 to the same patents. We have also adopted the

1 claim construction standards that is consistent
2 with the district courts and a stronger amendment
3 process.

4 In the end, IPRs are meant to be a
5 faster, cheaper alternative to district court
6 litigation, and not a tool for repetitive attacks
7 on a patent. To quote from the 2011 House Report
8 on the AIA, IPRs are not meant to be used as tools
9 for harassment, as a means to prevent market entry
10 through repeated litigation, and administrative
11 attack on the validity of a patent. Instead, IPRs
12 are meant to be a cheaper, faster alternative to
13 district court litigation.

14 We recently issued a request for
15 comments in the Federal Register on proposed
16 changes on instituting trials in situations
17 involving serial petitions, parallel petitions,
18 and proceedings in other tribunals relating to the
19 same patent. We have already received many
20 comments, and if you have an opinion on this
21 issue, I recommend that you share it with us. You
22 will have time to do so since we've just extended

1 the deadline for those comments to December 3rd.
2 Again, the goal is to further balance the system
3 and to that end, we very much want to hear from
4 the public so that we have a system that is fair
5 to petitioners and to patent owners alike.

6 In other news, this week we welcomed the
7 arrival of our new General Counsel David Burden,
8 who joined the USPTO just this past Monday. He's
9 a welcome addition to our team. David is a West
10 Point grad with a BS in Engineering. He received
11 his JD from Drake University School of Law, and he
12 has an impressive resume in the field of IP law
13 previously serving as both IP counsel and general
14 counsel in industry. He is also a decorated
15 combat veteran.

16 Since our last meeting together, we also
17 had a very successful launch of the National
18 Council for Expanding American Innovation, NCEAI.
19 Its members have expressed an incredible desire to
20 broaden involvement in the innovation economy. As
21 I have been saying for quite some time now, we
22 need to expand the innovation entrepreneurship and

1 intellectual property ecospheres demographically,
2 geographically, and economically. And, this is no
3 idle exercise for so many reasons, but here is
4 one. Expanding the ecosystem enough to quadruple
5 the rate of U.S. Innovation in the United States
6 according to one study can increase U.S. GDP by \$1
7 trillion a year, and there's so many other
8 benefits.

9 We all know that the creation of IP is
10 the foundation for the growth of individuals,
11 communities, and the nation. As I often say,
12 innovation can be a great equalizer. The members
13 of NCEAI will help us develop a comprehensive
14 national strategy through increased participation
15 in our innovation ecosystem by encouraging,
16 empowering, and supporting all future inventors
17 and entrepreneurs.

18 We plan to issue a Federal Register
19 notice in the coming weeks seeking ideas from the
20 public on how we can achieve this goal. Again, I
21 encourage all of you to provide the Council with
22 your ideas for policies and programs. Please

1 visit the NCEAI webpage at USPTO.gov to see who is
2 on the Council and to read their remarks from the
3 inaugural meeting on September 24th. They are
4 truly inspirational.

5 In conclusion, I want to thank all of
6 you, all members of the PPAC, for all you do to
7 support the USPTO and the IP ecosystem. And now a
8 special thank you to Mark Goodson and Dan Lang for
9 your service as members of PPAC. You have both
10 served two full terms for a total of six years.
11 And thank you also to Steve Caltrider for joining
12 the committee when we had an unexpected vacancy a
13 couple of years ago. Steve is completing his
14 partial -- that partial first term. In
15 recognition for your service, all three of you, we
16 have Certificates of Appreciation. Unfortunately,
17 well, if we were in person, I would now get up and
18 hand you one and shake hands and take a very
19 lovely picture. It's very hard to do that
20 remotely, but at least we can show the
21 certificates. So, Patrick, if you don't mind?
22 Here is the certificate for Dan Lang. Thank you,

1 Dan.

2 MR. LANG: Thank you very much. It's
3 been a pleasure to serve.

4 MR. IANCU: And here is the certificate
5 for Mark Goodson. Thank you, Mark, for your
6 service as well. And here is the certificate for
7 Steve.

8 MR. CALTRIDER: Thank you.

9 MR. IANCU: Thank you all for your
10 service to the USPTO, to the IP and innovation
11 ecosystem, and to the United States. We will be
12 sure to send you the hard copies shortly. And to
13 all members of the PPAC, congratulations on
14 completing the annual report. We know how hard
15 you have worked to finalize it.

16 I want to thank each and every one of
17 you for your service to the USPTO. The IP system
18 is in constant state of change. And your guidance
19 is essential to our continued success. Well, this
20 is our last meeting of the year. And I want to
21 take this opportunity to wish all of you and your
22 families and your loved ones a very happy,

1 healthy, and safe holiday season. Thank you all.

2 MS. MAR-SPINOLA: Thank you, Director
3 Iancu. We very much appreciate it. You know,
4 everyone is going to hear today about
5 notwithstanding the challenges that we received
6 this year, everyone, the Patent Office was very
7 productive, and we'll be talking about the details
8 soon. But, we do appreciate everything that you
9 have done and served. We wanted especially to be
10 able to emphasize the areas that we think will
11 carry the PTAB -- or, sorry, the PPAC into the
12 future and to continue to take the lead on its
13 role in the domestic and global economy. And I
14 think it will be your legacy in terms of our
15 introduction of artificial intelligence, all the
16 exciting things that we're going to hear about.
17 So, even at the early stages, how well it's
18 performing and the breath of its applicability in
19 the near future.

20 And then, of course, another very
21 important subcommittee that we wanted to expand on
22 PPAC was the innovation expansions to promote

1 diversity of our inventors because we know there
2 are not only more inventors and innovators in our
3 citizenship, but we know that there's more variety
4 and more diversity that have remained untapped.
5 So, with all the programs and the initiatives that
6 under your leadership that the Patent Office is
7 developing and building and will continue to
8 build, we are confident that the diversity of our
9 innovators will be showing up in large numbers.
10 So, we appreciate that.

11 And we also know that you have put in
12 quite a bit of time into our students, whether
13 from -- I think we're going to hear as young as
14 three and four years old to college. So, we are
15 very thankful that you have reached out personally
16 along with the Patent Office to help educate, but
17 also to add intellectual property and innovation
18 as part of our culture, broader culture. So,
19 thank you for that.

20 I'm going to open this up to the panel
21 and to the Board to ask the Director any questions
22 they may have. Oh, and if I see the hand feature,

1 you can raise your hand or just go ahead and
2 speak.

3 MR. SEARS: Hi, Julie, this Jeff Sears.
4 I have a question for the Director. Director, I
5 just wanted to extend my thanks to you and your
6 office for the great work you've done over the
7 past year, especially in these challenging times.
8 And I just wanted to note a special appreciation
9 for the reductions in pendency across examination
10 and ex parte appeals. Shortened pendency and a
11 quick path to an issued patent or an appeal
12 decision is really essential for commercialization
13 of university technologies. And, I wanted to
14 acknowledge the great work. Thank you very much.

15 MR. IANCU: Well, thank you. And,
16 really, great thanks and all the appreciation goes
17 to the examiners and in the patents organization
18 and the judges at the PTAB who through all the
19 difficulties that we're all experiencing in the
20 pandemic, all the added burdens of working from
21 home, having to deal with children studying from
22 home, and all the other various health issues

1 around us that their productivity didn't at all go
2 down. If anything, it went up. And to see
3 reductions in pendency during a year where half of
4 it, at least, was in a full telework situation, is
5 remarkable. So, I am extremely impressed with the
6 performance of our employees and all the credit
7 goes to them. Thank you, Jeff, for the comments.

8 MR. CHAN: Hi, Director, this is
9 Jeremiah Chan. Thank you for your remarks. I
10 thought you did a really nice job highlighting
11 many of the wins that the USPTO has had in the
12 recent period. You talked about and, I think,
13 provided some well-deserved kudos to your team,
14 particularly the IT team around helping the USPTO
15 really not skip a beat when the pandemic has hit
16 and continued operations, continued to deliver
17 great results.

18 One question I had was given -- and the
19 PPAC has seen first hand how effective this has
20 been -- given the excellent performance and the
21 ability to adapt, have other federal agencies
22 reached out to you, you and your organization, for

1 lessons learned, the ability to adapt, the IT
2 infrastructure, all the things that come with
3 being able to get through this pandemic in an
4 effective way?

5 MR. IANCU: Well, first of all, thanks,
6 Jeremiah, for the kind comments. The IT team has
7 done an amazing job. Really, just as you've said
8 and I mentioned in my opening remarks, but I just
9 want to emphasize, to transition 13,000 people to
10 full telework literally overnight is a remarkable
11 feat. Even though, obviously, the PTO has had
12 long experience with telework even before the
13 pandemic, still the increase in the number of VPN
14 connections on a daily basis has more than
15 doubled, you know, and at various times. To give
16 out, to distribute the network hardware needed to
17 the employees to work in this, they did a
18 remarkable job. And, you know, I think all the
19 kudos go to Jamie and his team, our CIO.

20 On the question of AI, I do think we are
21 a shining example of what government technology
22 can do. And I will leave the details of your

1 question, Jeremiah, for Jamie. He is in touch
2 with many across the government and (inaudible)
3 the recognition as -- of him as the top AI
4 executive across the entire government speaks to
5 that. But I really do hope -- you raised a very
6 good point -- I really do hope that others can
7 look at what we've done and learn from it. Just
8 like we are learning from others who have done
9 well in other areas. So, thanks, for the
10 comments. Julie, you're on mute.

11 MS. MAR-SPINOLA: Yeah, thanks. I'll
12 get used to this, sorry. We have a question from
13 Steve, Steve Caltrider.

14 MR. CALTRIDER: Yes, Director, thank you
15 for your remarks and thank you for your comments.
16 I agree completely with the comments that Jeff
17 made on pendency and Jeremiah. I really wanted to
18 give a shout out as well because I think the
19 Office over the last year has become much more
20 predictable in many respects.

21 Juries in the last year have been that
22 the 101 guidance continues to give some

1 predictability in a area of law that's quite
2 uncertain. The PTAB and their precedential
3 opinions have given, again, some area of
4 predictability. And many, many applicants value
5 that predictability as much as they do the speed
6 with pendency and also the quality. So, I wanted
7 to give a shout out to that and thank you for your
8 efforts to not only make a more reliable and
9 durable patent, but a more predictable patent and
10 prosecution pathway for applicants as they go into
11 the Office.

12 MR. IANCU: Thank you, Steve. It is,
13 indeed, true that I firmly believe and I have said
14 publicly many times that the hallmarks of any
15 legal system, but in particular, the IP system,
16 are predictability, reliability, and the like and
17 we constantly work to adjust to make sure will
18 achieve those things to the best we can. And I
19 appreciate the comments. Thank you, Steve.

20 MR. GOODSON: Director, this is Mark
21 Goodson.

22 MR. IANCU: Hi, Mark.

1 MR. GOODSON: Who knows what the
2 political winds how they shift, but I just want to
3 thank you for wonderful leadership the last
4 several years. And I hope you have the
5 opportunity to continue on.

6 MR. IANCU: Thank you, Mark. And thank
7 you, once again, for your excellent service to the
8 PPAC and to the PTO. And I hope you continue to
9 stay engaged.

10 MS. MAR-SPINOLA: Oh, I'm sure Mark will
11 stay engaged, and we will treasure that. So,
12 thank you. We are actually staying on time. If
13 there aren't any more questions, I want to thank
14 Director Iancu again. And we promise to have and
15 to continue to have a productive meeting this
16 morning and talk about all the great things that
17 the PPAC has -- sorry -- Patent Office has done.

18 MR. IANCU: Thank you very much, Julie.
19 And, I do want to take the opportunity to thank
20 you for -- and Jennifer for your great leadership,
21 Julie, as the chair of the PPAC and Jennifer as
22 the vice chair this year of the PPAC. Thank you

1 for your excellent stewardship during difficult
2 times. And, I think you can take credit for being
3 the first PPAC to have all virtual meetings.

4 MS. MAR-SPINOLA: Yes.

5 MR. IANCU: And well done. It's working
6 out well. And in fact, you can maybe say a word
7 on this, but I believe that one of the silver
8 linings, despite the really difficult times, is
9 that the viewership of the PPAC meetings as a
10 result of the online virtual format has
11 significantly increased. So, congratulations to
12 you for really a job well done meeting this
13 important (inaudible).

14 MS. MAR-SPINOLA: Well, we clearly
15 couldn't have done it without the IT folks and
16 then also Jennifer Lowe, who keeps me on track and
17 so, we appreciate that. With respect to
18 viewership, it is true. And, I've been monitoring
19 it since our very first inaugural virtual meeting,
20 which was back in, let's see, May. And our
21 viewership at that time came up to close to 200.
22 And what brought me quite a bit of joy was the

1 fact that folks stayed on until the end, and that
2 was great. So, right now at this moment, we have
3 120, but I expect that to grow after people have
4 their coffee on the West Coast, like me.

5 And but I do think that the silver
6 lining, and there's always going to be silver
7 linings, no doubt, that with the virus and keeping
8 people at home to be safe doing remote access, you
9 know, this expedited a tool that can be used very
10 handily. While I, myself, really enjoy coming
11 every quarter to be there and to work closely with
12 the folks at the Patent Office, at the same time,
13 we get to see everybody and I think it is a
14 welcome change. And I would bet that it's going
15 to hang around for quite a while. So, it's a very
16 effective tool and so far so good. There's a
17 learning curve to be sure, but it is great.

18 So, I think from there, thank you,
19 again. And so, we're going to move on now to
20 patent quality and pendency. And I'm going to
21 turn the meeting over to Steve Caltrider, our
22 chair of the subcommittee, Patent Quality --

1 Pendency and Quality Subcommittee. Steve?

2 MR. CALTRIDER: Yes, thank you, Julie.
3 I plan to make three introductory points, which
4 are highlights from the annual report, before
5 handing things over for a deeper dive on pendency
6 and quality metrics.

7 MS. MAR-SPINOLA: Perfect.

8 MR. CALTRIDER: First, as will be
9 reported in detail, the Office continues to make
10 strides in improving pendency. And Director Iancu
11 just made reference to some of these data. For
12 fiscal year 2020, was the first year that pendency
13 was reported on the basis of the AIPA guarantees
14 of timeliness, which are 14 months from the filing
15 date of an application to the mailing date of the
16 first office action. Four months to respond to an
17 amendment. Four months to act on an appellate
18 decision. Four months to issue a patent after
19 payment of the issue fee. And 36 months from the
20 filing date of the application to the issue date
21 of the patent.

22 The Office goal is 90 percent compliance

1 with these guarantees by 2025. And as Andy and
2 Remy will report in detail, we're on track to do
3 that. We're in bit of a transition so, I'll also
4 report and Director Iancu shared these data on the
5 pendency based on the averages, which is the
6 historical method of reporting pendency. The
7 average first action pendency and the average
8 total pendency, these remain below our targets at
9 14.8 months for first action pendency, and 23.3
10 months for the average total pendency. So, again,
11 Andy and Remy will go through these data in much
12 more detail.

13 The Office is also making significant
14 progress on quality. I'll start with a comment
15 that quality starts with the applicant. A
16 significant factor to pendency and quality and the
17 issues therefrom is the quality of the application
18 filed by applicants. A well-drafted and complete
19 application reading the information disclosure
20 statement is more efficiently and effectively
21 examined than a poorly drafted application.

22 And the USPTO has been active in

1 providing applicants and other stakeholders
2 training. The stakeholder training examination
3 practice and procedures is a step program, the
4 patent quality chat, the computer-based training
5 modules for examiner training are all made
6 available to public. These are important
7 initiatives and reflect the cooperation between
8 the applicants and the USPTO in achieving patent
9 quality. Within the Office, patent quality starts
10 with the classification system in search and
11 you'll hear much more about that this afternoon in
12 the AI discussions and the IT discussions. So, I
13 won't expand on that now.

14 The measure of quality, there's several
15 different methods of measuring quality in the
16 Office. And one of the measures of quality that
17 we use is the external quality survey. And we'll
18 hear much more on this in a few minutes. But the
19 external quality survey measures the applicant's
20 perspective of quality. From the vantage point of
21 the applicant is the examiner providing a thorough
22 examination, a fair examination, an accurate

1 examination, dealing with the issues raised by the
2 applicant, citing the correct references. And on
3 this measure, the Office continues to show
4 improvement. And so, I won't go into the details
5 of it. That'll be shared in a few minutes. But
6 it's remarkable that from an applicant's
7 perspective of quality, which is a very important
8 perception, the Office continues to improve as
9 well.

10 Finally, I want to briefly comment on
11 the efforts to gap the bridge between Patents and
12 the PTAB. The PPAC recognizes that the ultimate
13 measure of quality on whether a patent is durable
14 is whether the patent survives further scrutiny
15 after examination. The Patents and PTAB have made
16 tremendous progress in sharing data and the
17 knowledge that enable feedback loops. And this
18 feedback loop is essential for continuous learning
19 and continuous improvement. It informs gaps in
20 the examination process, whether those gaps are in
21 searching or whether those gaps are in training.
22 And the PPAC encourages this bridge to continue to

1 be fostered and developed and particularly
2 encourages the investment in IT to enable the
3 seamless exchange of data between Patents and
4 PTAB. Because unless you have this continuous
5 learning, you're really under developing your
6 opportunities. You're underutilizing your
7 opportunities to enhance quality during the
8 patents and the examination phase.

9 So, with those brief three introductory
10 comments, I'm going to turn it over, I believe to
11 Andy and Remy next to talk a bit more about the
12 pendency data.

13 MR. FAILE: Great, thanks very much,
14 Steve. Good morning, everyone. It's good to see
15 everyone here. I'm going to turn it over
16 Assistant Commissioner Remy Yucel to walk through
17 the presentation on our last year's stats, mainly
18 on pendency on filings. But I would like to give
19 a big thanks to PPAC. Steve, thanks to your
20 leadership and guidance on helping us work towards
21 looking at things like patent term adjustment and
22 looking at pendency in different ways. So, again,

1 I look forward to this year, FY21, and continuing
2 that relationship. And thank you for your support
3 last year. And you'll see some of the remarkable
4 strides we made last year given the backdrop of
5 the situation that all of us are in.

6 So, with that, let me turn it over to
7 Remy to walk through our stats review for FY20.

8 MS. YUCEL: Good morning, everybody.
9 I'm happy to be here with you to go over just a
10 handful of slides that encapsulate our pendency
11 performance for FY20. If we could have the first
12 slide, please. Or is that me? Ah, here we go.

13 So, again, this slide really summarizes
14 some key points of interest for our fiscal year
15 '20. As mentioned before, we adopted in '20 a new
16 multi-year pendency metric to take us to overall
17 PTA compliance of mailed actions and overall PTA
18 compliance of remaining inventory of 90 and 90 by
19 25 as Steve just mentioned. We believe that this
20 will even increase further our ability to provide
21 certainty and the predictability that our
22 stakeholders need and want from us.

1 So, we adopted this new metric. This
2 was our first year of doing it and we are off to a
3 good and positive start on making our way to 90 by
4 90. As you can see, our overall PTA compliance
5 for mailed actions is at 83 percent and our
6 overall PTA compliance of remaining inventory is
7 at 88 percent. And this is the first of a
8 multi-year goal. So, we have gotten off to a good
9 start on that.

10 The next two bullets really are the
11 traditional pendency metrics that everyone is
12 probably a little bit more familiar with. For our
13 first action in pendency, our goal was to come in
14 less than an average of 15 months average to first
15 action. And we were able to do that in quarter
16 four of FY20. And that really compares pretty
17 favorably with our performance in FY19, Q4, which
18 was at 14.7 months, given that this was somewhat
19 of a -- let's just leave it at an unusual year.

20 Our total pendency for FY20 ended up at
21 23.3 months under the goal of average 24 months
22 total pendency. And that also compares favorably

1 to our performance in Q4 of FY19. Our serialized
2 filing growth for 2020 was 0.7 percent and we'll
3 delve into that a little bit further in some of
4 the slides. And our attrition rate remains steady
5 at 3.8 percent.

6 Next slide, please.

7 MR. SEARS: Remy, this is Jeff Sears.
8 I've got a question for you before you move on.
9 The PT --

10 MS. YUCEL: Sure.

11 MR. SEARS: The PTA statistics really
12 great performance, let me note that at the outset.
13 Really wonderful. I've always liked PTA. I think
14 that the certainty that the PTA metrics provide is
15 truly beneficial for applicants. Here's my
16 question. Does the Office have a desired target
17 in mind? Is the target 90 percent? Is it 95? Is
18 it what you've hit so far? What are your
19 thoughts? What's the goal?

20 MS. YUCEL: Well, I think, I mean, for
21 me personally, I think we want to -- we want to
22 perform as best as we can perform. I think we

1 need to have some sort of a structure in terms of
2 getting there, as it will. And I think we always,
3 you know, that's why we've made this a multi-year
4 goal. I think we want to be able to -- we did not
5 get into -- get behind overnight, and we're not
6 going to get out overnight, right? So, for -- I
7 think we have like a disciplined march towards
8 chipping away at both the mailed actions
9 compliance as well as keep an eye on our inventory
10 and making sure that that doesn't balloon out of
11 control. I think we are on a good path to do
12 that.

13 Certainly, there are factors that always
14 come into play in terms of affecting the timing of
15 our being able to pick up cases. Some of those
16 are, you know, stuff from the outside in terms of
17 like missing parts, this, that, and the other.
18 But I think we probably, I think, our biggest bang
19 for the buck is really to try to get to these
20 cases as soon as we can. Get them docketed to the
21 examiners and get them worked on in a good, you
22 know, by the appropriate examiner.

1 So, certainly, if we can smash the 90 by
2 90 -- or 90 and 90 by 25, we're willing to do
3 that. I think that that is a ceiling for us. But
4 I think there's a lot of factors that play into
5 our ability to the rate at which we're going to
6 improve and how much we can achieve. I believe
7 it's asymptotic. I don't know that we'll be able
8 to do 100/100, right? But so, understanding those
9 factors that keep us between 90 and 100 percent,
10 understanding those factors, and then figuring out
11 what more we can do is certainly something that we
12 need to keep our eye on. But we need to have that
13 march to 90/90 and then we'll take a, you know,
14 continually assess and see what else we can do to
15 improve upon that performance. I hope that
16 addressed your question.

17 MR. SEARS: Yes, thanks, very much.

18 MS. YUCEL: Okay, so, if we look a
19 little bit more in the FY20 filing trends. Again,
20 as we mentioned on the previous slide, our
21 serialized filings increased by a little over half
22 a percent at 0.7 percent compared to almost a 5

1 percent serialized growth that we saw in FY19.
2 RCE filings have decreased by over 10.5 percent
3 and this compares favorably to the decrease that
4 we saw this time last year at 0.6 percent. And I
5 think that delta really represents, I think, a
6 notable reduction in rework. So, I think, again,
7 our -- the efforts that have been done in the TCs
8 by the speed, by examiners, is all, you know,
9 coming to fruition. We are beginning to see less
10 rework, and that is always fire power that we can
11 devote to other types of cases such as the first
12 actions.

13 Our provisional filings have increased
14 by 2.9 percent, which is almost double what we had
15 last year. Again, the jury is still out in terms
16 of what this increase in provisional filings will
17 mean to non-provisional filings that we will see
18 in FY21.

19 Lastly, our design filings increased by
20 4.1 percent compared to a 0.8 percent increase in
21 FY19. The story here is that for most of the
22 year, it was really quite flat and then we

1 experienced a spike towards the end of the year,
2 you know, pulling us up to 4.1 percent. So, it's
3 going to be interesting to keep an eye on that
4 trend and see whether that might be a leading
5 indicator for the non-provisional utility patents.
6 It's still too early to tell on that.

7 Next slide. If we take a closer look at
8 the serialized filings by country of origin, the
9 data for '20 is in the red bars and the data for
10 FY19 is the blue bars. Really, there were three
11 countries that experienced filing growth and those
12 were -- the country of origins were China and
13 South Korea and Taiwan. Everybody else was flat
14 or negative. And if you take a closer look at the
15 data, really, the two countries that drove the
16 growth for '20 were China and South Korea. By
17 contrast, U.S. filings are about half of our total
18 filings, and there was a negative 1.5 percent
19 growth there.

20 Next slide. Again, if we look at USPTO
21 filings by priority type, again, similar data on
22 the graph shows '20 data in red and '19 data in

1 blue. Our increase are -- the .7 percent increase
2 was primarily fueled by the filing of
3 continuations. Although national stage
4 applications of -- applications of foreign
5 priority or brand new applications also
6 contributed some to the growth.

7 Next slide. Interesting slide here as
8 we took a deeper dive into the continuation filing
9 trends. And you can see that, you know, we talked
10 that continuations were fueling most of the growth
11 of our filings last year. And the graph shown
12 towards the right kind of bears out, this is a
13 10-year look, last decade look of filings of
14 continuations. And CIPs, continuations-in-part,
15 and divisionals, you can see that the blue curve
16 for the continuations has a steady increase. In
17 fact, it's tripled over the last decade, while the
18 filings of continuations-in-part and divisionals
19 have remained very flat.

20 This has some impact on our ability to
21 balance workloads as effectively as we would like.
22 And as well as it does make the docketing of

1 first-in and first-out a little bit more tricky.
2 These are things that we are all working to
3 balance and work in and compensate for. And
4 another interesting fact is a large majority of
5 these continuations stem from allowed
6 applications. So, 80 percent of continuations
7 have a parent that has been patented and about 1
8 in 5, or one-fifth of all issued patents will
9 generate -- I like they use -- they use spawn, but
10 that just has different mental images for me. So,
11 I'll just say generate another continuing
12 application. So, these are interesting trends
13 that we need to keep an eye on and kind of manage
14 our docketing and balancing of the workloads
15 accordingly.

16 I believe the next slide is the last
17 slide. Next slide, please. And finally, if we
18 look at serialized filing by entity status, again,
19 we've shown the data for '19 and '20, they are
20 remarkably similar showing that there's, you know,
21 relative stability. And as we would expect, most
22 of the growth that we are getting appears to be

1 coming from the large and undiscounted entities
2 followed by the small entity, and then the micro
3 entities. And that's, I believe, my last slide.
4 I'm happy to take questions.

5 MR. CALTRIDER: Just a comment as we
6 transition to the next topic, but also a question
7 as well. The comment is the Subcommittee on
8 Patent Quality and Pendency is looking at the
9 continuation practice with the Office and trying
10 to study that in more detail. So, in a future
11 meeting, we'll report out more on what we think is
12 underlying that trend and try to get a deeper
13 understanding of that. The question is, on the
14 growth and new application filings from China and
15 Korea, I believe, were the two countries that were
16 double digit positive relative to the others, do
17 we have any understanding of that? Or do we have
18 any hypotheses that -- or any data available to us
19 to try to help us understand that a bit more?

20 MS. YUCEL: Andy, do you want to jump
21 in? I think that right now this is just our
22 observations. I'm not sure that we have any

1 necessarily a hypothesis behind it. Andy, you
2 might have more information?

3 MR. FAILE: Yeah, sure. I'm happy to
4 jump in. That's a great question, Steve. That's
5 one of the things we're actually looking into and
6 studying. We're seeing increased growth rates
7 from China in trademarks and patents filings. So,
8 it's kind of a phenomenon I think that is beyond
9 patents. So, it's one of the things we're looking
10 into to try to divine kind of is there -- to me,
11 it's the genesis of the trend is one issue.
12 Another thing, I think, to be looked at is do we
13 think this is going be a trend that continues or
14 even increases? That has, you know, a lot of
15 impact on our workload analysis as we go forward.

16 And the initial look into it is we do
17 think the trend from China will likely be at the
18 same level or even more for FY21. But it's a
19 great question. It's something we're definitely
20 diving into. The origin of the increase in
21 filings and then maybe even more importantly, do
22 we see these filing trends continuing? That'll

1 add into the growth, add into the workload you'll
2 need to deal with on the backend.

3 MR. CALTRIDER: Thank you. That's the
4 --

5 MS. MAR-SPINOLA: And, yes --

6 MR. CALTRIDER: -- best we can -- we
7 could take, also take that up in subcommittee and
8 report out in a future PPAC meeting.

9 MS. MAR-SPINOLA: Yeah, this is Julie
10 Mar-Spinola. A question to Andy or Remy on this.
11 Would it be appropriate to put out a survey to ask
12 about forecasting for applications or anything
13 like that?

14 MR. FAILE: Yes, that's an interesting
15 idea. My suggestion, Julie, would be can we put
16 that in our next subcommittee steering meeting to
17 package along with all the other things we may
18 want to do? That's a very interesting idea. And
19 I think, Steve, if it's okay, we can add that into
20 our next meeting and talk through the pros of cons
21 of doing such a survey.

22 MS. MAR-SPINOLA: Yeah, and not just

1 what the forecast, but the reasons for their
2 forecasting, or supporting their forecasting.

3 MR. FAILE: Very good.

4 MS. MAR-SPINOLA: Yeah.

5 MR. FAILE: Very good idea. Any intel
6 we can get in to help us manage what a growth
7 trend would be, whether it's positive or negative,
8 I think is very helpful to us.

9 MS. MAR-SPINOLA: Great. Okay, Steve --

10 MR. FAILE: Thanks for that.

11 MS. MAR-SPINOLA: -- that's on your
12 topic -- that's on your next list.

13 MR. CALTRIDER: I'll add it to my list.

14 MS. DURKIN: Steve, before we
15 transition, could I ask one quick question? It's
16 Tracy Durkin.

17 MR. CALTRIDER: Sure.

18 MS. DURKIN: So, do we have any sense of
19 whether any of the 4 percent increase on the
20 design patent side is at all related to Hague
21 System filings?

22 MS. YUCEL: I think that those are --

1 MR. FAILE: I'm happy to --

2 MS. YUCEL: Go ahead, Andy.

3 MR. FAILE: Sorry.

4 MS. YUCEL: Go ahead.

5 MR. FAILE: No, go ahead. I'll start
6 and then Remy can --

7 MS. YUCEL: I believe that there is like
8 --

9 MR. FAILE: Let Remy start, and I'll
10 jump in.

11 MS. YUCEL: I believe that we track
12 those separately so, those are non-Hague filings.

13 MS. DURKIN: Great, thank you.

14 MS. YUCEL: So, we --

15 MR. LANG: This is Dan. Can I put a
16 question in too?

17 MS. MAR-SPINOLA: Okay, hold on one sec,
18 Dan. I just want to give everybody an idea of the
19 time. So, we actually have -- we have about 15
20 minutes. So, let the questions and discussion
21 continue.

22 MR. LANG: Great. I wanted to focus

1 again on that very sharp lineup in filings in
2 China and South Korea, which, you know, we'll see
3 what the future holds. But if that's extrapolated
4 forward, could lead to, you know, very, you know,
5 significant volume attributable, you know, to
6 those countries. And both in absolute terms and
7 in percentage terms. Do we have any insight on
8 the distribution among different entities, you
9 know, coming from these countries? I mean, my
10 instinct would be that, you know, comparing China
11 or South Korea to the United States it's much more
12 heavily weighted towards the larger organizations
13 rather than the smaller ones. Is there any work
14 on that?

15 MS. YUCEL: I am not aware that we've
16 broken it down like we have for our domestic
17 filings. But that would be a very interesting
18 thing for us to go back and take a look at. I'll
19 add that to the to-do list. Thank you.

20 MR. LANG: All right, thanks.

21 MS. MAR-SPINOLA: Actually -- go ahead,
22 Jennifer.

1 MS. CAMACHO: Yes, I just have a quick
2 follow-on question to Dan's question. Have you
3 looked at and is there anything surprising in the
4 technologies that are increasing from filings in
5 China and South Korea, or is it fairly
6 predictable?

7 MS. YUCEL: I am not aware that it --
8 that there is like a particular pattern in the
9 technology. But also, that's another thing that
10 we can do a deeper dive into.

11 MS. CAMACHO: Thank you.

12 MS. MAR-SPINOLA: Thanks. I actually
13 have been corrected that I believe, Steve, you
14 still have another second part of the
15 presentation?

16 MR. CALTRIDER: Yes, yes, we do. We
17 need to transition to our quality discussion.

18 MS. MAR-SPINOLA: Of course.

19 MR. CALTRIDER: And I'll hand things
20 over to -- I'll hand things over to Robin who will
21 introduce Marty.

22 MS. MAR-SPINOLA: Sorry, Marty.

1 MS. EVANS: Thanks. Thanks, Steve. So,
2 as Steve said, we do a survey, a semi-annual
3 survey to our top filers, firms, and entities.
4 And this is a quality perception survey. So, what
5 Marty is going to talk to you about is the most
6 recent survey that was done this summer. And you
7 will see there are some positive outcomes and some
8 positive trends throughout this survey. What we
9 plan to do because we know the effort to improve
10 quality is continuous, and we appreciate PPAC's
11 help on that as well, we're going to take this
12 survey and compare it to our internal measures to
13 see where we should go and how far we should go,
14 and which way we will go to continue to improve
15 quality. So, with that, I'll turn it over to
16 Marty.

17 MR. RATER: Thank you, Robin. And,
18 Julie, no need to apologize, I'm a big fan of the
19 next session coming up. So, we'll get out of here
20 by 12:20, I think, is what the agenda for.

21 So, you know, a lot of these slides too,
22 I think we've briefed on this survey before. So,

1 we've got a couple slides here on a little bit of
2 the background of the survey. And I think, well,
3 obviously, we shared the slides with the session,
4 I think a lot of this data people can grasp rather
5 easily and see where we're going, so, I'll just
6 kind of scroll through and hit the highlights.

7 If we want to jump, actually, a couple
8 of slides here and show the where we are at. Go
9 ahead and skip to the next one. See, I'm already
10 making fans here by skipping forward. So, this is
11 our alligator chart, right? And this is where we
12 want to be. What this is showing in our survey,
13 we ask, and this is a survey of frequent filers
14 what we define them as, about 3,200 customers,
15 stakeholders, applicant, agents, attorneys,
16 however we define that. Going into we asked them
17 about their satisfaction with quality over the
18 prior three months. This is what's been tracked
19 since about this chart showing since 2009, the end
20 of 2009, we've actually conducted this survey
21 since 2006.

22 So, we asked them overall. We ask them

1 a five-point scale, poor, very poor, fair, good,
2 or excellent. So, we're not showing fair on this
3 because we're really focusing on that difference
4 between good or excellent and poor and very poor.
5 And you can see, we've kind of showed a steady
6 incline in the good or excellents. We got a bump
7 up there about that 61 percent in FY19 quarter two
8 right around the time of the patent eligibility
9 guidance came out. And we've been able to
10 maintain those strong perceptions, right? We do
11 see some customer perception bump ups every time
12 we actually communicate what we're doing about
13 quality.

14 So, this chart shows a couple of things.
15 One of the things I want to point out here, and
16 I'm really just because it's going to lead into
17 the very next slide, is to look at that blue line
18 down at the bottom. And that's the percent of
19 customers, or poor and very poor, saying quality
20 is poor or very poor. And you can see back in the
21 end of FY09 it was 24 percent. We rode a period
22 there where about 10 percent of our customers felt

1 quality was poor or very poor. And you can see
2 over the last two years, we've dropped that down
3 to 7, 5, 6 percent of our customers feel quality
4 is poor or very poor.

5 And, you know, that's a significant
6 improvement as well, right? We have reduced about
7 50 percent, 33 to 50 percent of the customers that
8 said quality was poor or very poor overall, we've
9 at least brought them out of that poor or very
10 poor range. We might not have gotten them to good
11 or excellent yet, but we've at least brought them
12 up into the fair.

13 So, that goes to the next slide. We
14 like to look at both sides of this puzzle, right?
15 And, you know, and kind of to Jeff's question a
16 little bit earlier there about what's our -- you
17 know, what's the goal for pendency and where
18 should be dialed in? I'll say the same thing on
19 quality, right? We probably want 100 percent
20 satisfaction, but is that realistic, right? We're
21 always balancing, you know, faster, better,
22 cheaper, right? That old puzzle we are all trying

1 to solve. So, where are we at?

2 So, one of the current things that
3 people are kind of looking at is we've kind of
4 morphed more into this customer experience,
5 customer journey world is these Net Promotor
6 Scores. And we've kind of basically tracked that,
7 you know, we've been doing that for a while. And
8 we've always kind of looked at it as just a ratio.
9 How many happy customers in quality do we have for
10 every dissatisfied customer? And that's that
11 ratio column there. And you can see back at the
12 end of 2009, for every customer that we had saying
13 quality was poor or very poor, we only had one
14 that was saying it was good or excellent.

15 Then you jump down to where are to end
16 of today in FY20-Q4, you see we've got roughly 10
17 customers are likely to say quality is good or
18 excellent for every one that is going to say poor
19 or very poor. So, we're looking at both sides of
20 that coin, if you will.

21 And then to kind of translate it into
22 today's world, the Net Promotor Score you start

1 seeing that advertised out there in companies.
2 And nobody has a goal of a Net Promotor Score of
3 100, right? One hundred people are satisfied and
4 zero percent are dissatisfied. That's not all
5 that realistic. So, what we're looking at, and
6 you can see our Net Promotor Scores grown at that
7 one time it was a whopping four. It kind of
8 bounced into the low 30s, up into the lower 40s.
9 We kind of hovered around in that 40s. And you
10 see over the last two years, we've been in that
11 range. Now, that's kind of significant level
12 because there are some benchmarks out there that
13 indicate that once you kind of get to that gap, if
14 you will, between very satisfied and very
15 dissatisfied, you're starting to get into a
16 healthier environment and some organizations label
17 that as an excellent environment. Not to say you
18 should be satisfied and you rest on those laurels,
19 but it's a pretty healthy environment.

20 And that's kind of where we're at right
21 now. Now, I will note that it varies by industry.
22 We're a little bit difficult to compare to a lot

1 of other organizations, but these are some strong
2 indicators that we're at least going in the right
3 direction at least in the minds of customers. So,
4 and I'd never answered -- I raised Jeff's
5 potential question there. The other thing where I
6 say we want to go is we want to get to a point
7 where reality meets expectations. It's as simple
8 as that. And we know that those expectations will
9 change and we know reality changes. We just try
10 to want to get those working together. So, that's
11 kind of our goal.

12 So, if we go to the next slide. I've
13 pretty much focused on good or excellent and poor
14 or very poor. And you guys can all digest this
15 afterwards. But, you know, I don't want to ignore
16 the fair. The people that are in that fair
17 category, right? Those are our movers. What this
18 is showing is just simply a flow. Our folks that
19 say quality is good or excellent and there's that
20 57 percent, well, we ask a secondary question. Do
21 you think quality is improving? Do you think it's
22 staying the same? Or do you think it's declining?

1 The last thing we want is all of our good or
2 excellent folks, their good or excellent rating
3 folks, to say that quality's declining. We want
4 to know if there is something declining, what is
5 it that you might -- that we need to fix to
6 maintain your high level of perception?

7 And similarly, in the fair, you want to
8 look at those that say, well, do we have more
9 people willing to say it's improving, and we've at
10 least got a chance of getting them up into the
11 good or excellent ratings? Or are they saying
12 it's declining and we might see them show up
13 eventually in the poor or very poor? And then at
14 the very bottom there we have the 6 percent of the
15 customers that say quality is poor or very poor.
16 And I think of interesting of note there of that
17 customer base, you don't see any of those
18 customers. We don't have a flowline going all the
19 way up to improved because none of those customers
20 are even willing to give us the nod right now that
21 we are improving, right? They're saying it's
22 staying the same or we've even got kind of a

1 similar amount that's saying, hey, you're making
2 things worse.

3 So, you know, those customers probably
4 have a little bit different needs than the good or
5 excellent and the fair, and we need to balance all
6 of those. So, we're kind of looking at this at a
7 little bit more holistically now. But at the end
8 of the day, we have 24 percent of our customers
9 say that quality is improving, 11 percent that say
10 it's declining. As long as we can have a strong
11 ratio of that and right now it's two to one,
12 again, think Net Promotor, we've at least got, you
13 know, a difference of 10 there, 10, 12 percent.
14 Obviously, we want to improve that gap and we've
15 got to figure out some things that we can
16 recognize. And a lot of that is messaging, a lot
17 of that's communicating some of the stuff we're
18 doing.

19 If we go to the next slide, we'll bounce
20 through here. So, because a lot of these next
21 couple of slides you've all seen before, and I'll
22 point out some new differences or correctness.

1 Correctness of rejections, right? So, we'll and
2 this is very similar, we ask internally when we do
3 our internal quality review, we're assessing the
4 quality of the rejections made by examiners. This
5 is just external perceptions, and you can see we
6 ask that because they're frequent filers, we're
7 asking them about all of the Office actions they
8 received in the prior three months.

9 So, this is just did they see it as most
10 of the time we were correct, some of the time, or
11 rarely? I will point out that our next survey
12 study we're actually going to expand and do some
13 exploratory research with the customer base to
14 figure out when you say most of the time, what is
15 that number? Does that mean we're at 90 percent,
16 95 percent, 75 percent? What is defining that so
17 that we can do a better job of equating that with
18 our internal quality numbers.

19 Thing to point out here. Obviously,
20 opportunities for improvement, you see the 103
21 rejections. Only 44 percent of the customers say
22 we're most of the time. Conversely, only 6

1 percent say we rarely do it, right? So, you know,
2 we've got the healthy ratio there. But you shift
3 over to the 101 rejections. And this is when the
4 101 rejections were made. We still have a
5 significant amount of displeasure, if you will, or
6 angst, about 101 rejections. We don't see it
7 being quite such a factor. Obviously, we've
8 reduced the number of 101 rejections that are made
9 out of the Office. That's had a significant
10 impact. But you see here that's almost a one-to-
11 one ratio. For every customer that we ask about
12 101 rejections, that says it's excellent, we're
13 likely to run into another customer that says we
14 rarely are correct in that.

15 So, the next slide. Correctness is one
16 thing. Mr. Caltrider mentioned a key term,
17 predictability. Well, you can be predictable if
18 you're 100 percent correct all of the time, but I
19 think the biggest basis of predictability is
20 consistency. And we have continually seen
21 consistency -- continuously seen consistency be an
22 important driver of overall perceptions because of

1 that predictability factor. You can see it does
2 not make much of a difference here. Very similar
3 to correctness. And I don't think that's
4 unreasonable to expect correctness and consistency
5 to kind of go along. We do see when you break it
6 down on individual levels, customers will
7 differentiate. And we've actually had comments
8 that, hey, I know you're incorrect a good portion
9 of the time, but you fixed the consistency issue.
10 I at least know how to address these, right? But
11 if I'm getting a flip of the coin, I don't know
12 how to address that.

13 Next slide. This is a little bit for
14 everybody to digest in their comfort. This is
15 just a breakdown of data by technology sector. I
16 don't want to spend a lot of time on this. It's a
17 lot. But this kind of is basically a matrix by
18 technology sector of consistency versus
19 correctness. And if you see a diagonal line, you
20 know, going from that lower left quadrant all the
21 way up to the right-hand quadrant, that shows the
22 correlation between correctness and consistency.

1 What I want to point out here, and you
2 notice in the yellow circles there, I've provided
3 the Net Promotor Scores. We have a high Net
4 Promotor Score over there in the chemistry sector
5 of 58. And they're all strong across the board
6 because we're strong across the Agency right now.
7 But what you'll see is different patterns for each
8 of these groups. You get down into the mechanical
9 engineering, you know, you kind of got a cluster
10 of satisfaction with 102 and the 112s, but then
11 you've got a pretty good gap between 103 and 101
12 rejections. Meanwhile, you move over to that
13 bottom left, and you see instruments, it's a
14 cluster of all of the different rejection types.
15 So, probably there where do you pick and choose
16 and what to focus on? And that's where we're kind
17 of looking at this data a little bit to do some
18 targeted reviews.

19 All right, let's go one more slide here.
20 I've got a couple more slides. This one's nothing
21 new to anybody. Correctness, how does it
22 correlate with overall quality 103 rejections?

1 103 rejections are in 75 percent of the finals and
2 non-final rejections we send out. If we make
3 customers happy with the correctness of 103
4 rejections, 8 times more likely to be satisfied
5 with quality overall.

6 So, I want to move to the last couple
7 slides here because there's a cool new key driver
8 we think's coming into play. We ask a question
9 about adherence to rules and procedures. Shift to
10 the right. Well, first let's start with the one
11 on the left, citing appropriate prior art. Sixty
12 percent say that we do it to a great extent of the
13 time. We have another statistic as well. We ask
14 our customers to evaluate the search and prior art
15 found. Sixty-seven percent of our customers are
16 satisfied, good, or excellent prior art and
17 search. And only 3 percent feel that it is poor
18 or very poor. And that equates kind of to the
19 citing appropriate prior art as well.

20 Shift to the one four over substantively
21 addressing response to Office actions. This is
22 one we've seen kind of not going quite the way we

1 want over the recent years. Twenty-eight percent
2 say we address it to a great extent of the time.
3 Only 19 percent say -- well, actually, 19 percent
4 say to a small extent. You see restriction
5 practice on the side? That's kind of a wonky one
6 for us. We don't see that great customer
7 experience or customer satisfaction with that.
8 But when you also go back to those technology
9 charts either, it doesn't seem to be a driving
10 factor of customer perceptions. Now, it's a
11 dissatisfier, but it's not one in that decision
12 matrix yet.

13 Next slide, just because I want to
14 hammer on this addressing response to Office
15 actions. Let's focus on this table again. I
16 think a lot of you can read this after the fact.
17 If my customer base that said, hey, you do this to
18 a large extent of the time. You address our
19 response to -- you respond to our responses and
20 you address those. None of those customers would
21 say quality overall is poor or very poor. And 71
22 percent of those customers are likely to say

1 quality is good or excellent. You drop down to
2 that last row of that table. If you tell me that
3 our response to your applicant arguments, we only
4 do it to a small extent of the time, you flip a
5 coin. Thirty-three percent of them say quality is
6 poor and very poor, and only 33 percent good or
7 excellent. Look at those Net Promotor Scores.
8 Just simply one variable here has such a disparate
9 level of that net Promotor Score and is definitely
10 something we're going to be looking at to focus on
11 in the coming year.

12 Last slide. And I'm sorry, I'm going
13 just a minute over here. We asked about customer
14 comments. This time we think about quality of
15 work products and the varying prosecution
16 processes among other offices. Let me boil it
17 down for you real quick. They thought we're doing
18 pretty good in prior art, right? There's always
19 some plusses and some minuses, but customers
20 acknowledge some efforts and improvements in prior
21 art. Consistency, I've mentioned that. Needs
22 some improvement just because they want

1 predictability. Whether that consistency is in
2 the applicability of standards or it's actually
3 somewhat in the format of how we write office
4 actions. We're starting to see more comments on
5 that way.

6 101 rejections still jumps up as a need
7 improvement. A lot of that is just
8 dissatisfaction with the general landscape out
9 there of 101 where, you know, that's nothing new
10 to us. And then finally, and I think this is just
11 a kudos to the examiners and what really were
12 pointed out in the comments when compared to the
13 other offices is our use of interviews. The
14 examiner's willingness to use interviews for
15 compact prosecution to understand concerns and to
16 -- and then on top of that, just being willingness
17 to do it.

18 And the last bullet there, as well, is
19 examiner responsiveness. Especially we've gone to
20 telework, absolutely knocking this one out of the,
21 you know, park in terms of the comments we're
22 receiving and a lot of customers really, really

1 congratulatory and commendable of our examiners
2 for those two things. And I think that's a little
3 bit of really what's kind of the driving, right?
4 We're setting expectations and driving that
5 quality number more so maybe than the rejections
6 sometimes. That's all I got for you.

7 MR. CALTRIDER: Thanks, Marty.

8 MS. CAMACHO: Marty, thanks for those
9 comments. I do have one question from the public.
10 Just a quick point for clarification. The
11 question is whether in these surveys when you're
12 talking about the customer, is the customer the
13 practitioner or the applicant? Perhaps you could
14 tell us a little bit about who you're polling
15 there.

16 MR. RATER: Okay, so, obviously, we want
17 folks very familiar with the office actions. So,
18 our sample frame is any -- agents and attorneys
19 makes up the biggest portion of this, obviously.
20 So, it is the, you know, our touchpoint in who
21 we're interacting with. In some instances, we do
22 have inventors, we do have entities that are large

1 filers or, you know, I think our last cutoff was 6
2 or more patent applications in a 12 to 18-month
3 period kind of qualified for the survey. We were
4 looking at other survey mechanisms to maybe get to
5 that customer or those individual transaction
6 points.

7 MS. CAMACHO: Thank you.

8 MR. CALTRIDER: And before I hand things
9 back over to Julie for the rest of the agenda,
10 because I know we're getting tight on time, I do
11 want to make a comment both about the examining
12 core as well as the leadership and their absolute
13 dedication to excellence in this space. The
14 commitment to improve quality and the commitment
15 of excellence is really, really notable. And I
16 think the data show that. A Net Promotor Score of
17 50 or greater, I don't know that everybody
18 appreciates how significant that is. But there's
19 a lot of businesses on the outside that would
20 dream of a Net Promotor Score of 50 or more.

21 And that really reflects the commitment
22 of excellence that the Office brings to this. And

1 it's a journey. We'll always be working to
2 improve quality as Robin shared in her opening
3 remarks. It's a journey. You never reach the
4 endpoint because you're always striving to do
5 better. But the commitment to get better is
6 really notable. And thank you and thanks to the
7 examiners who are on the front line of that.

8 Julie, I don't know that we have any
9 time for -- more time for questions, so, I'll hand
10 things back over to you.

11 MS. MAR-SPINOLA: Well, thank you. And
12 maybe if we have some extra time later, we can
13 come back. But I think it was a great
14 presentation, very informative. While there's
15 always room to improve, I completely echo what
16 Steve just said which is that the commitment to
17 continue finding improvement and making
18 improvements is as important as the improvement
19 itself, I believe. So, thank you very much for
20 that. And let's move over now to innovation
21 expansion with Jennifer Camacho, our vice chair,
22 is also the chair of the Innovation Expansion

1 Subcommittee. Jennifer?

2 MS. CAMACHO: Thank you, Julie. So,
3 just a few highlights from our annual report. As
4 you know, in the beginning of this year, PPAC
5 introduced the Innovation Expansion Subcommittee.
6 The purpose of this subcommittee is to support the
7 USPTO in its commitment to increasing
8 inclusiveness and diversity in innovation and
9 inventorship, and also making the U.S. patent
10 system more accessible to all Americans.

11 And as the Director noted this morning,
12 our patent system encourages and strengthens
13 American innovation, which, of course, is critical
14 to our economic prosperity, safety, and security.
15 For the system to be most effective though, the
16 door of opportunity must be open to all Americans
17 to innovate, pursue patent protection, and really
18 reap the rewards from innovation through
19 entrepreneurship in commercialization.

20 Today innovation in the U.S. is highly
21 concentrated based on demographic characteristics,
22 geography, and economic conditions.

1 Underrepresented groups such as women, minorities,
2 and veterans present a tremendous resource of
3 unrealized potential for innovation and invention.
4 And as Julie noted earlier, we need to tap into
5 that resource in order to expand our innovation
6 ecosystem. We need to ensure that individuals
7 from unrepresented groups have a meaningful
8 opportunity to fully engage and participate in our
9 patent system.

10 During the inaugural meeting of the
11 NCEAI, Secretary of Commerce Wilbur Ross recently
12 noted that too small a segment of the American
13 population is engaged in the innovation economy
14 and the creation of inventions and the development
15 of new and novel products and the formation of
16 entrepreneurial companies. We will have
17 difficulty being successful as a nation if we do
18 not have more people engaged in the creative
19 economy.

20 So, by way of a background, as many of
21 you are familiar with, but many may not be. The
22 Study of Underrepresented Classes Chasing

1 Engineering and Science Success Act of 2018, the
2 SUCCESS Act for short, required the USPTO Director
3 to conduct a study and report back to Congress on
4 the number of patents annually applied for and
5 obtained by women, minorities, and veterans. And
6 the USPTO published its report to Congress in
7 October of 2019. So, the very end of the last
8 fiscal year.

9 In the report they noted that the number
10 of patents with at least one inventor -- one woman
11 inventor -- excuse me -- increased from about 7
12 percent, only 7 percent in the 1980s to 21 percent
13 in 2016. But notable differences in the number of
14 men and women patent inventors persist despite
15 greater participation of women in the science and
16 engineering occupations and the entrepreneurships.
17 So, it's not keeping pace. Women inventors are
18 increasingly concentrated in specific technologies
19 and women inventors or women are increasingly
20 likely to patent on large gender-mixed inventor
21 teams as opposed to being a solo inventor or being
22 on a women- only team.

1 Subsequent to this report, the Patent
2 Office prepared an update in 2020 and added to the
3 findings that the share of women among all new
4 inventor-patentees increased from 5 percent in
5 1980 to 17.3 percent by the end of 2019. That
6 means that more women are entering and continuing
7 to be active in the patent system than ever
8 before. That's good news. And 46 percent of
9 women who obtained a first patent in 2014,
10 patented again within five years of the first
11 patent versus 53 percent of men. In 1980, the gap
12 was 28 percent for women versus 38 percent for
13 men. So, the gender gap in the number of
14 inventor-patentees that stay active by patenting
15 again is decreasing. Again, that's good news.

16 So, in our 2020 Annual Report, we
17 highlighted several initiatives of the USPTO that
18 are intended to make the patent system more
19 accessible to underrepresented groups. Of course,
20 the goal is to increase the participation of
21 individuals from these underrepresented groups in
22 the patent system. And despite the many

1 challenges posed by COVID-19 pandemic in this
2 fiscal year, the USPTO made notable progress and
3 even hit some key milestones in several of its
4 innovation expansion initiatives. And I'd like to
5 highlight some of them here.

6 The most notably, of course, the USPTO
7 accomplished a really significant milestone with
8 the successful establishment of the National
9 Council for Expanding American Innovation, NCEAI.
10 This council is chaired by the Secretary of
11 Commerce Wilbur Ross, and it really brings
12 together a cross-section of the U.S. innovation
13 ecosystem. Members of the NCEAI include leaders
14 and high-level officials from industry, private
15 and public corporations, small businesses,
16 academia, nonprofit organizations, venture
17 capitalists, and the U.S. government, as well as,
18 and importantly, independent inventors. And
19 Valencia will talk a little bit more about that
20 following these comments.

21 So, a little more information on NCEAI.
22 It starts with developing a national strategy to

1 foster innovation competitiveness and economic
2 growth by promoting and increasing participation
3 of our underrepresented groups as
4 inventor-patentees and entrepreneurs. As well as
5 a long-term comprehensive plan of action to
6 further build the U.S. Innovation ecosystem, and
7 particularly and interesting, in areas that will
8 be key to the next technological revolution.

9 As mentioned before, the inaugural
10 meeting of the NCEAI was held by video conference
11 in September of this year. And if you weren't
12 able to tune in to the meeting, I echo the
13 Director's encouragement to you to read the
14 opening comments of the NCEAI members. It really
15 is very inspirational. So, again, Valencia will
16 expand upon this here in a few minutes.

17 And one of the other exciting
18 initiatives, the USPTO also launched the Expanding
19 Innovation Hub. So, this is a dedicated central
20 location for information about many of the
21 relevant USPTO programs and resources for
22 inventors. And it's designed to inspire more

1 women, minorities, veterans, geographically and
2 socioeconomically diverse inventors and innovators
3 to join the innovation economy. Really take a
4 look and let us know what you think. I think it's
5 very exciting.

6 And I also wanted to highlight a couple
7 of very creative and cool new IP toolkits that the
8 USPTO released in the hub this year. The first
9 one is the demystifying of patent system toolkits.
10 And this is designed to help innovators understand
11 the process of obtaining a patent so it's not such
12 a mystery anymore. So, you do know how to start
13 and to enter that whole system. As well as the
14 mentoring toolkit. This is very cool. I haven't
15 seen this done before. This is intended to assist
16 organizations in establishing infrastructure to
17 connect experienced innovators with the next
18 generation in their organization to really build
19 that pipeline there. That's important. Excuse
20 me.

21 I also wanted to highlight a couple of
22 the outreach and events that USPTO was able to

1 complete. So, notwithstanding the challenges of
2 the COVID-19 pandemic, the Patent Office
3 maintained a very busy schedule of outreach and
4 events for fiscal year 2020. And as soon as the
5 social distancing and travel restrictions were
6 coming online, the Patent Office transitioned to
7 an -- began transitioning in- person events into
8 virtual events managing to host and participate in
9 numerous educational and information events
10 specifically directed at underrepresented groups
11 in the patent system.

12 Just to highlight a few, the Patent
13 Office participated in a Rural and Independent
14 Innovators Conference in Dodge City in Kansas.
15 And in February of this year, the Patent Office
16 invited students, inventors, entrepreneurs,
17 innovators, public institutions, tech firms,
18 others to celebrate the Black History Month at
19 Tuskegee University and at Alabama A&M University
20 under the theme of building a legacy of impact for
21 invention. And then in March, the USPTO held a
22 two-day Women's Entrepreneurship Symposium

1 connecting women entrepreneurs with information
2 and resources to help start and build a business
3 based on their own IP. It's very exciting.

4 To wrap up my comments, we always
5 provide some recommendations. And in this case,
6 you know, there is an undeniable challenge in the
7 data acquisition and the analysis related to the
8 participation of underrepresented groups in the
9 U.S. patent system and innovation ecosystem. But
10 the Office has done a tremendous job in gathering
11 groups related to gender. But there's still this
12 challenge on getting data that goes beyond that as
13 far as the underrepresented groups. And without
14 this data it would be difficult or even impossible
15 to identify the hidden drivers of
16 underrepresentation of specific groups. It will
17 also be difficult to measure progress if we can't
18 establish an accurate baseline.

19 So, with that in mind, we recommended
20 that the USPTO continue to engage with other
21 government agencies on the potential to share
22 relevant data and analysis. So, these are data

1 that other government agencies are able to collect
2 that would shed some light potentially on the
3 underrepresentation of several groups at the
4 Patent Office. Along the same lines, we
5 recommended that the Patent Office explore
6 partnering opportunities with organizations in the
7 private sector to access data that could help us
8 bring into focus the bigger picture on how and why
9 women, minorities, veterans, and other
10 underrepresented groups participate or don't
11 participate in the patent system.

12 So, before I hand this over to Valencia,
13 I just want to stress that the importance of this
14 effort cannot be overstated. Despite the
15 unprecedented challenges of 2020, the USPTO
16 continue to work with all the urgency this effort
17 requires and frankly deserves. The level of
18 leadership, engagement, and energy coming from the
19 Patent Office team starting with Director Iancu,
20 Deputy Director Peter, and Valencia Martin Wallace
21 has been absolutely unwavering and quite
22 inspirational.

1 And with that, I want to applaud the
2 Patent Office for its commitment and its
3 dedication and its demonstration of that
4 commitment and dedication to increasing diversity
5 and innovation inventorship. It's been a true
6 pleasure and privilege to work alongside the
7 Patent Office on this effort. So, Valencia?

8 MS. MARTIN WALLACE: Thank you,
9 Jennifer. Thank for those very, very kind words
10 and while my presentation is coming up, I'd also
11 just like to say just a huge thank you to you,
12 Jennifer, personally, as well as the Innovation
13 Subcommittee and the entire PPAC Committee who
14 have been so amazing in your support and active
15 support of what we are doing here at the USPTO.
16 The subcommittee meetings we've had have just been
17 so fantastic to not only help us to hash out the
18 ideas that will go into national strategy, but
19 bringing in guests that have expertise in the
20 particular areas that we're looking to address in
21 the strategy and helping us move this forward.
22 It's been invaluable not only for the strategy,

1 but in helping us to really develop, bring to us
2 the right people to be on the council and helping
3 us to formulate it. It's been an amazing
4 partnership that I hope to enjoy for many, many
5 years to come.

6 MS. CAMACHO: Thank you.

7 MS. MARTIN WALLACE: Now, I will start
8 with if we can move to the next slide. And just,
9 you know, talk a little bit more in depth about
10 what Director Iancu mentioned earlier and what
11 Jennifer also summarized.

12 So, the National Council -- and I won't
13 -- Julie did -- I'm sorry, Jennifer did a great
14 job of sharing, you know, where this started. So,
15 I'll just say briefly, the SUCCESS Act report
16 provided several initiatives, one being the
17 council that will develop the strategy for this
18 nation.

19 Can you move to the next slide? So, the
20 inaugural meeting was the NCEAI made of 29
21 high-level officials as Jennifer mentioned from
22 industry, nonprofit organizations, academia, and

1 various government departments and agencies. The
2 meeting held on September 14th had an opening
3 session where we opened to all and allowed the
4 press to come in and to hear. I'm so excited to
5 say that outside of the members and some special
6 guests that we had, we had 931 people tune in to
7 our livestream and to hear from the Council
8 members and to also follow-up with sending us
9 comments and ideas that we could also consider for
10 the strategy.

11 We had the feature speakers in the
12 opening session that we're very excited included
13 the Secretary of Commerce who chairs this Council,
14 as well as Director Iancu, and several CEOs and
15 university presidents who also were able to really
16 explain why this is important. Not important to
17 just their organization or company, but important
18 to our nation. And what they've been doing all
19 along to really address this, but also why now is
20 the right time to come together and really
21 collectively pull all of the great initiatives and
22 programs that have been going on for years

1 together so that we can have the impact we're
2 looking at in bringing more underrepresented
3 groups into the innovation ecosystem and to have
4 the vision of someday not having to use the term,
5 underrepresented groups when we're talking about
6 the innovation ecosystem.

7 And if we can move on to next slide.
8 So, the second portion of the meeting was a closed
9 working session for the Council members at the
10 USPTO. Our Chief Statistician Andy Toole who is
11 also a key member of our Expansion Committee at
12 the USPTO, gave an overview of the national
13 strategy concept paper that is setting the
14 framework for the working discussion. There was a
15 very robust discussion and sharing of ideas on the
16 working group -- from the working and will
17 continue -- we will continue to keep collecting
18 best practices and ideas.

19 And I mentioned a working group. So, we
20 have this Council made up of very distinguished
21 executives from across the different sectors that
22 we mentioned earlier who really brought the light

1 that we really needed onto this topic. And
2 underneath that Council is a group of working
3 group members who are representatives identified
4 by the Council members, as well as several others
5 that are doing just amazing work within this arena
6 that we felt could really bring us to where we
7 want to be with this national strategy. So, this
8 working group is assisting the core team strategy
9 team as the USPTO to develop the strategy.

10 And I'll mention really quickly, I said
11 the concept paper. So, the concept paper that
12 we've established has four sections to it. First
13 being creating innovators. And I'm very
14 specifically using the term, innovators. We have
15 a lot of work being done in awareness in education
16 of STEM fields and from very young ages all the
17 way through college and beyond. I'm using the
18 term, innovators because the STEM is pivotal and
19 very important, but it's a piece of it. We also
20 to create inventors to create patent owners, need
21 to also provide other aspects of innovation and
22 entrepreneurship in order to really develop the

1 inventors, develop the technology, and have it be
2 something that's moving forward for our nation, as
3 well as for the individual.

4 So, the creating innovator is starting
5 from as Julie actually mentioned earlier, three
6 and four years old and making them aware,
7 educating them on not only how amazing the STEM
8 fields are, but other aspects of innovation. And
9 then growing through practicing, the second
10 section of our strategy. Practicing innovation as
11 to how to apply all that they've learned
12 throughout their lives. This is the lifespan of
13 an inventor and a patent owner.

14 And from there to realizing innovation,
15 which is the third section of our -- will be the
16 third section of our strategy on how to identify
17 commercialization techniques and how to identify
18 and get in touch with VCs and the grants and the
19 funding in order to make an inventor's invention a
20 reality and to make it lucrative for the inventor
21 as well as for our nation. To keep us at the
22 forefront of technology and world leaders in

1 technology. As well as a shining example of how
2 using all different diverse aspects of our
3 community, our nation, is what makes what we need
4 to have and makes it better and helps us to
5 progress.

6 So, I will go up to the next slide. So,
7 I wanted to just go a little not into too much
8 depth on, but let you see our Council members.
9 So, as we mentioned, they come from industry,
10 nonprofit, academia, other government departments,
11 and here you can see our federal government. We
12 have cabinet level members. And this is just, you
13 know, what I'm showing you here by the level of
14 executives that we have and where they're coming
15 from. Just shows you just how important this
16 topic is to all members of our society.

17 And can we move on to the next slide?
18 It shows in education, as well as independent
19 inventors. And I'll just share that we were told
20 by this Council, by this subcommittee, as well as
21 others, that to have -- to be able to move in the
22 direction we need to go and have the impact, it

1 can't be just, you know, the large corporations
2 and their executives on this Council. But we have
3 to have a diverse group, which meant independent
4 inventors, nonprofit organizations, academia. And
5 I'm so proud to say that, you know, when we
6 reached out and asked that there was no doubt that
7 each of these sections, areas of our community
8 really just pulled together and said, yes, we will
9 stand for this. We will support it, and we will
10 actively move towards the innovation community as
11 needed.

12 And if we could move on to the next
13 slide. This shows you from industry CEOs and COOs
14 who are not only willing to support what we're
15 doing, but actively be a part of what we're doing
16 within their organization, as well as in our
17 community as a whole.

18 We can go on to the next slide shows you
19 further industry executives as well as venture
20 capitalists who have also pulled together with us.
21 And our representative from a small business, the
22 small independent inventor, as well as from

1 academia, Dr. Javier Diez is also a professor.
2 And notably to say that as part of his company and
3 his invention, his students that he brings along
4 with him, which makes it a valuable aspect of
5 learning as well as part of this strategy what
6 we're learning from him. And we'll move on to the
7 next slide shows you the nonprofit organizations
8 that have also stepped up to be part of this
9 Council.

10 And then I can talk to you a little bit
11 about our next steps. So, we've been meeting and
12 hearing with the working group, and they're coming
13 together and assisting us in really further
14 developing the strategy based on the concept that
15 was approved through the Council earlier. We, as
16 Director Iancu mentioned, we are now developing a
17 Federal Register Notice because we want to hear
18 from everyone. So, it will be a series of
19 questions for the public to answer that will also
20 be considered as part of our strategy.

21 We also have an awareness campaign going
22 on. So, building the strategy is a lot of hard

1 work to do it right. And we're doing it, but
2 that's only a piece of this. Another part is
3 making sure that we make our community aware, as
4 well as educated on the strategy. So, we have a
5 huge awareness campaign going on of the NCEAI what
6 we're doing, gathering information. But after the
7 strategy is published, we will also be going
8 around across the nation to educate on the
9 strategy so that all organizations, local
10 communities, schools, companies, all will adopt it
11 and use it and really start making that
12 difference.

13 And also, the strategy I keep speaking
14 of it. We are looking for the summer of next year
15 that that strategy will be published. And just
16 speaking a little bit about the engagement a
17 little bit more about the engagements. Director
18 Iancu, and it was mentioned earlier by Julie, has
19 really done an amazing job of reaching out to all
20 aspects of our community and has a series right
21 now the Director's University Engagement Series
22 where he's speaking to staff, faculty, and

1 students, neighbors across our nation. And in
2 fact, he is doing one today with Howard
3 University, which I'm also proud to say is a
4 member of our Council.

5 And this is our website as was mentioned
6 earlier. We do have -- we have talking points and
7 we have thoughts from our Council members as well
8 as Secretary Ross and Director Iancu about
9 expanding American innovation, the direction that
10 we're going in. And it is as Jennifer also
11 mentioned, very inspiring words that I go to every
12 now and then just to help, you know, reenergize me
13 on the direction we're going, what we're doing,
14 why we're doing it, and how important it is.

15 So, we've made a lot of progress. We
16 still have a very, very long way to go. But I
17 know this group, this Council, is standing up with
18 us and going in this direction, as well as the
19 NCEAI. So, I have a lot of energy left still for
20 this. We have a long way to go, but we're going
21 to get there. And it's not only going to impact
22 our present day, but it's going to impact future

1 generations to come. And as I mentioned earlier,
2 making sure that there is no such term as
3 underrepresented groups when you're talking about
4 the innovation community.

5 So, we can move on to the next slide. I
6 believe that's the end. So, thank you so much for
7 listening to me and if we have any time for
8 questions, I'm very happy to take them.

9 MS. MAR-SPINOLA: We do have time,
10 Valencia, so thank you very much. This is so
11 important I think to all of us. So, Jennifer, I'm
12 going hand it back to you to handle any questions
13 there may be.

14 MS. CAMACHO: Sure, great. So, if
15 anyone has any questions, please raise your hand.
16 In the meantime, I wanted to remark that as you
17 may have noticed, the logo for the NCEAI and as
18 well the initiative, is a tree. And it reminds me
19 of the proverb when, you know, the best time to
20 plant a tree was 20 years ago, and the second best
21 time to plant a tree is today. And that always
22 makes me think about, yes, we have a long road

1 ahead of us, but, you know, generations beyond us
2 will grow and benefit from it.

3 MS. MARTIN WALLACE: Absolutely,
4 absolutely. And it is not a mistake that we have
5 (inaudible) that are clearly shown on that tree
6 because this is not just for present day.

7 MS. CAMACHO: Any questions? That was a
8 fantastic presentation. Thank you so much,
9 Valencia.

10 MS. MAR-SPINOLA: Thank you, Valencia.
11 So, this brings us to a break. So, we'll have a
12 brief break and come back at 10:05 pacific. Okay,
13 thank you very much. See you in a few minutes.

14 (Recess)

15 MS. MAR-SPINOLA: So, welcome back,
16 everybody. Let's see, next on our plate is a very
17 exciting subcommittee section, not to say that the
18 others weren't. But we're going to talk about
19 Artificial Intelligence Subcommittee matters. I'm
20 going to turn this over to the Co-chairs Jeremiah
21 Chan and Barney Cassidy. I think, actually,
22 Jeremiah's going to lead the discussion today.

1 And also, welcome Deputy Peter. Jeremiah?

2 MR. CHAN: Great. Thank you, Julie.

3 All right. Well, as Director Iancu mentioned in
4 his opening remarks, AI has really touched the
5 myriad aspects of society throughout the United
6 States and across the globe. The intellectual
7 property space has been no exception. And for
8 this, I actually want to give some kudos to our
9 PPAC Chair Julie and the USPTO for having the
10 foresight to create this new AI subcommittee and
11 really give it the attention that it deserves.
12 Really, really key, really important.

13 I also want to thank Laura Peter, Matt
14 Such, and the other PTO team members who have been
15 working tirelessly on these AI initiatives and
16 closely partnering with us. And last, but not
17 least, I want to thank my PPAC Co-chair Barney
18 Cassidy and subcommittee member Jeff Sears for
19 their excellent partnership as well.

20 Before diving into the agenda, I think
21 it is worth a moment to align on terminology a
22 bit. Thousands of articles have been written

1 about innovative approaches to leveraging data and
2 computation, but the terminology has become
3 increasingly blurred. You read enough articles
4 and blogs and you will likely hear a handful of
5 terms which are rarely defined and often used
6 synonymously. Terms like artificial intelligence,
7 AI, big data, statistics, data analytics, data
8 science, deep learning, machine learning,
9 predictive analytics. At the most general level,
10 I think all of these terms attempt to convey the
11 concept of leveraging data and computation to
12 perform a task better. Where better connotes
13 faster, cheaper, more accurately, or any
14 combination thereof.

15 In the broadest sense, AI refers to
16 machines that can learn, reason, and act for
17 themselves. And after being taught by humans,
18 they can make their own decisions when faced with
19 new situations in the same way that humans can.
20 So, in this sense, I know that many technology
21 experts like our own Jamie Holcombe, don't really
22 like the artificial in AI. Because the truth is

1 the intelligence is very real as you'll hear more
2 about in this session.

3 Director Iancu mentioned several of the
4 great reports on AI that the USPTO has published.
5 One of them was the USPTO's Office of Chief
6 Economist Report showing that the percentage of
7 U.S. organizations and inventors that patent in AI
8 increased from under 5 percent in 1980 to nearly
9 25 percent in 2018. It really is a remarkable
10 example of the growth illustrating the importance
11 of AI to U.S. innovation. AI has taken a center
12 stage at the USPTO in several ways including the
13 articulation of critical aspects of the USPTO's
14 policy on AI and the application of particular AI
15 tools for its operations.

16 And really, that's what the AI
17 Subcommittee, the PPAC Subcommittee has been
18 focused on, which are really thought about in two
19 main components. One, we refer to as policy, and
20 the other one is AI tools. On the policy front,
21 recognizing the increasing importance of AI across
22 a diverse spectrum of technologies and businesses,

1 the USPTO has been actively engaged with the
2 innovation community and AI experts, chiefly
3 through three major initiatives.

4 First, the USPTO held an AI IP Policy
5 Conference in January of 2019, featuring IP
6 specialists from around the world that included
7 panel discussions on patents, trade secrets,
8 copyrights, trademarks, IP enforcement, global
9 perspectives, and the economics of IP protection
10 of AI. Second, the USPTO issued a request for
11 comments that Director mentioned in August of
12 2019. The RFC sought comments on patenting
13 inventions that utilize AI and inventions that are
14 developed by AI as well. And third, because the
15 remarkable -- because of the remarkable recent
16 developments in AI and how they've also impacted
17 the fields of copyright, trademark, database
18 protection, and trade secret law, the USPTO issued
19 a second RFC in October 2019.

20 All of this great information has been
21 posted and can be found on the USPTO's newly
22 designed website. If you haven't visited it yet,

1 I would encourage you to do so. It's a very nice
2 website that makes information very easy to find.
3 And the website has lots of resources and
4 information available on the portion of the
5 website dedicated to AI initiatives.

6 On the AI tools front, there have been
7 really two big initiatives that the team has been
8 working very hard on. The first is
9 auto-classification of patents, which leverages AI
10 to automatically classify patent documents
11 according to the cooperative patent classification
12 system. And this supplements and/or replaces
13 parts of the current practice of manual
14 classification by contractors, and will ensure
15 classification quality. The second major
16 initiative is what I refer to as enhanced patent
17 search. Leveraging AI to assist examiners in the
18 retrieval and the efficient review of relevant
19 prior art during the course of examination, which
20 will directly impact and improve the quality of
21 the patents that come out of the USPTO. And
22 you're going to hear all the details about these

1 great accomplishments to date and the roadmap from
2 Laura and Matt in a second.

3 Another quick note. Last night, my son
4 and I were watching the NBA draft. The USPTO has
5 been kind of doing their own draft and really kind
6 of looking to identify and recruit AI experts from
7 across the country to add to its roster, and they
8 have done that. And I'm excited to have them talk
9 to you a little bit about the new team members
10 that they've added to really add a lot of
11 sophistication and expertise to their great work
12 to implement AI tools and truly harness the power
13 of technology to deliver better quality and
14 efficiency for the Office.

15 I'd be remiss to not mention COVID and
16 the impact here because I really do think it's
17 quite remarkable. Director Iancu talked a bit
18 about it already. Particular to the AI
19 initiatives, COVID has really not caused the
20 Office to skip a beat. In some ways, the COVID
21 pandemic has resulted in training and feedback
22 loops that have -- that in some ways have been

1 even more productive for the collection of
2 feedback by the USPTO.

3 The virtual training sessions have
4 allowed the product manager trainers to access the
5 examiner trainee screens. So, instead of asking
6 them for feedback, they can literally sit down and
7 watch the examiners use these new tools on their
8 screens and really get good feedback around how to
9 improve new feature roll outs and how to make the
10 tools more accessible and easier to use for the
11 examiners. I think it's quite a benefit and
12 speaks a little bit to the rapid pace of progress
13 that Laura, Matt, and the team has been able to
14 make.

15 My last comment on this would be in
16 terms of recommendations, really, we focused on
17 two areas of discussion. One, is coordination
18 with other agencies. Again, Director Iancu
19 mentioned this as well. The USPTO has been
20 working with the Department of Commerce and the
21 White House Office of Science and Technology to
22 address a number of the policy and implementation

1 challenges with AI technologies. Our hope is that
2 we can continue to collaborate closely with them,
3 share our best practices from the USPTO, and also
4 learn from other agencies so that no one is
5 duplicating efforts or recreating the wheel.

6 And the last piece that I have been
7 really encouraged about is in the last several
8 weeks, Laura, Matt, and the team, and PPAC have
9 been meeting in depth around this concept that we
10 call ROI, or return on investment. And it is
11 really this kind of discipline and practice of
12 looking at these initiatives with the lens of what
13 are we investing to deploy these new technologies
14 and ultimately what are the benefits that are
15 being manifested in the U.S. Patent Office? And
16 I'm pleased to say that the team has been making
17 tremendous progress in this area to really kind of
18 define and use frameworks to really quantify what
19 are the specific benefits that these tools are
20 bringing to the U.S. Patent Office?

21 So, across the board I would say just
22 tremendous progress. I'm excited to have Laura

1 and Matt kind of walk through a number of these
2 with you. And with that, I will turn it over to
3 Laura.

4 MS. PETER: Well, thank you so much,
5 Jeremiah. First, I want to thank the subcommittee
6 and all of PPAC for all of their efforts in
7 talking with the PTO about our AI efforts and
8 giving us really inspirational ideas on how to
9 move the ball on some of these issues. And as the
10 Director mentioned and as you're going to hear
11 more here, we've made huge strides in the area of
12 articulating artificial intelligence policy and
13 providing a forum for feedback from our
14 stakeholders in that regard. And also drinking
15 the Kool-Aid ourselves in actually implementing AI
16 in our examination process. So, we're very, very
17 excited for that.

18 So, to follow on from Jeremiah here, I'm
19 going to first introduce to you our new technology
20 expert our Emerging Technology Senior Leader Jerry
21 Ma. We've spent quite a bit of time recruiting
22 what we wanted to have with somebody best in class

1 who could inspire and shake loose some of our more
2 traditional ideas and bring us a fresh
3 perspective. So, with that, I'll turn it over to
4 Jerry Ma to say hello.

5 MR. MA: Thank you, Laura, for that
6 introduction. And, hello, everyone. It's a
7 pleasure to be with you today. And as Laura
8 mentioned, I joined the PTO very recently, just
9 three weeks ago as our Emerging Technology Leader.
10 Up until then, I was an industry technologist
11 who's benefited immensely from the hard work of
12 the Office. And when the opportunity arose to
13 lend my experience directly in service of our
14 nation's innovation community, I knew it was time
15 to pitch in.

16 So far, my biggest take away is that the
17 people here are just phenomenal. From our
18 executives such as Laura, Jamie, and Matt, to our
19 computer and data scientists, to our 10,000 strong
20 examining corps. Everyone I've talked to has been
21 brimming with ideas for how machine intelligence
22 and other green field technologies can help us

1 execute faster and better on behalf of inventors.

2 As you know, we at the PTO are pursuing
3 an ambitious AI agenda. Over the next few months,
4 I'll be working closely with our ongoing AI
5 initiatives to get up to speed on their great work
6 and to ensure that we at the Office are
7 benefitting from these same state-of-the-art
8 methods used by leading American technology
9 companies. More broadly, I'll be working with
10 stakeholders throughout the Office to craft a
11 holistic strategy around closing our data loops so
12 that feedback and supervision from our examiners
13 go straight back into our machine learning models
14 in a cycle of continuous improvement. Finally,
15 I'll be exploring ways by which we can marshal the
16 public research community to help us discover
17 novel solutions to our most pressing agency
18 challenges.

19 I want to extend an invitation to our
20 dedicated committee members to get in touch with
21 me. Emerging technology at the PTO is a team
22 effort and engagement with our public stakeholders

1 will be a crucial ingredient in delivering the
2 technology that best advances the PTO's mission.
3 Finally, I am happy to serve as a resource to all
4 members who wish to dive deeper into our ongoing
5 emerging technology programs. Once again, it's
6 great to meet everyone here and I'm excited to
7 work with you going forward. Thanks very much.
8 And I'll hand it back to Laura.

9 MS. PETER: Thanks so much, Jerry, and
10 welcome. I know we have an exciting future ahead
11 with you joining the team. So, and we're looking
12 forward to having to have more discussions with
13 PPAC as we go along as well. So, now I'm going to
14 turn it over to Charles Kim, who's going to talk
15 us through the release of our AI reports. We have
16 all of these sort of exciting reports. And as
17 Jeremiah mentioned, they're posted on our webpage
18 for artificial intelligence on the website. You
19 can go to the home page. There's a blue ribbon in
20 the middle, USPTO.gov. Go to the blue ribbon in
21 the middle, click on artificial intelligence, and
22 you're going to see the AI reports that Charles is

1 going to talk to you about next. Charles?

2 MR. KIM: Thank you, Laura. I'll just
3 wait for the slides to come up on the Webex. All
4 right, great. So, good afternoon, everyone. As
5 Deputy Director Peter indicated, my name is
6 Charles Kim, and I'll be providing you with a
7 brief update on two recently published reports on
8 AI that Director Iancu mentioned in his opening
9 remarks and that Jeremiah alluded to earlier.

10 The first report takes a comprehensive
11 look at a wide range of stakeholder views on the
12 impact of AI across the IP landscape. The report
13 is an outcome of the USPTO's active engagement
14 with our stakeholders to ensure that appropriate
15 IP incentives are in place to encourage further
16 innovation in and around this critical area. As
17 Jeremiah mentioned, these engagements include the
18 AI IP policy conference that was held in January
19 of 2019 at our Alexandria, Virginia headquarters,
20 as well as the two requests for comments that we
21 issued last year.

22 The second report takes a look as U.S.

1 Patents to determine the diffusion of AI. That
2 is, the spread and adoption of AI across
3 technology areas, inventors, companies, and
4 geographies. And as Director Iancu indicated,
5 this determination of AI diffusion was done using
6 AI technology.

7 Next slide, please. So, before I get
8 into the details of the first report, I'd like to
9 briefly discuss the two requests for comments that
10 we issued last year. In August of 2019, we issued
11 a request for comments seeking feedback from our
12 stakeholders on a variety of patent policy issues
13 such as AI's impact on inventorship, patent
14 eligibility, and the disclosure requirements of an
15 AI invention, and the impact of AI on one of
16 ordinary skill in the art. In response to the
17 request for comments, we received almost 100
18 unique comments from a broad range of stakeholders
19 including foreign patent offices, foreign trade
20 associations, individual inventors, and companies
21 in various industries.

22 Next slide, please. Shortly after we

1 issued the request for comments on patent policy,
2 we issued a second request for comments on other
3 IP policy areas, such as copyright, trademark,
4 database protections, and trade secret law.
5 Similar to the first request for comments, we
6 received approximately 100 comments from a diverse
7 group of stakeholders.

8 Next slide. Following the conclusion of
9 the comment periods for the two requests for
10 comments, a team of AI policy experts from across
11 the USPTO under the leadership of Deputy Director
12 Peter, carefully reviewed all of the comments and
13 generated a report that was published last month.
14 This report, which is titled, Public Views on AI
15 and IP Policy, is divided into two parts that
16 correspond to the two requests for comments. The
17 report provides AI context and legal background,
18 and it synthesizes the public comments for each of
19 the questions presented in the two requests for
20 comments.

21 I'll briefly highlight some general
22 themes that emerged from the comments. And I'll

1 also discuss some themes specific to patent policy
2 from Part 1 and themes relating to other IP from
3 Part 2 of the report. So, starting with the
4 general themes, the majority of comments indicated
5 that the current U.S. IP legal system is well
6 equipped to handle the emerging issues raised by
7 AI. But these comments indicated that the USPTO
8 and IP stakeholders should closely monitor legal
9 and scientific developments in AI to ensure that
10 the U.S. maintains its leadership in this critical
11 technology.

12 Many comments also noted that AI has no
13 universally recognized definition and due to the
14 wide ranging definitions of the term, commentators
15 urged caution with respect to IP policy making
16 that's specific to AI. The majority of comments
17 also suggested that current AI systems are not yet
18 capable of inventing or authoring without human
19 intervention. And the fact that human beings
20 remain integral to the operation of AI, it's an
21 important consideration in evaluating whether IP
22 laws need to be changed in view of the current

1 state of AI technology.

2 With respect to patent policy, a
3 majority of commentators agreed that AI is a subset
4 of computer implemented inventions. And,
5 therefore, the USPTO's existing guidance such as
6 the Patent Eligibility Guidance, or PEG, and 112
7 guidance relating to computer implemented
8 inventions, as well as the MPEP, of course, are
9 relevant to AI inventions.

10 Regarding other IP themes, again, the
11 majority of comments stated that current IP laws
12 are calibrated correctly in the copyright,
13 trademark, and trade secret fields. Many agreed
14 that existing commercial law principles such as
15 contract law may fill any gaps that may be left by
16 IP law due to advances in AI technology. There
17 are several other themes that emerged from the
18 comments and those themes are identified in the
19 report. But in the interest of time, I'll move on
20 to the second AI report.

21 Next slide, please. So, our Office of
22 the Chief Economist recently published a report

1 titled, *Inventing AI*. This report examines the
2 presence of AI in U.S. patents from 1976 to 2018,
3 and it looks at it in a multiplicity of ways
4 including its growth over time, the spread of AI
5 across specific technology areas, the geographic
6 dispersion of AI related patents, and the
7 distribution of AI patents granted to individual
8 inventor-patentees and organizations. The report
9 defines AI inventions as those falling into one or
10 more of eight component technologies, including AI
11 hardware, evolutionary computation, knowledge
12 processing, and machine learning, to name a few.

13 And as I noted earlier, this is a report
14 on AI that used AI as a research tool.
15 Specifically, machine learning was used to predict
16 whether a given patent document contained an AI
17 component technology. Some key findings of the
18 report are that AI is increasingly important for
19 invention and it is spreading and being adopted
20 broadly across technologies, inventor-patentees,
21 organizations, and geography. For example, the
22 report found that patents containing AI appeared

1 in only about 9 percent of technologies in 1976
2 and spread to more than 42 percent by 2018. It
3 also found that the percentage of
4 inventor-patentees who were active in AI started
5 at just 1 percent in 1976 and increased to 25
6 percent by 2018. And while inventor-patentees
7 between 1976 and 2000 tended to be concentrated in
8 larger cities and technology hubs, the report
9 found that from 2000 to 2018 there was a clear
10 diffusion of AI into other areas of the country,
11 especially in the Midwest. Lastly, the report
12 found that annual AI patent filings increased by
13 more than 100 percent since 2002.

14 Next slide, please. So, both of the
15 reports that I just discussed, as well as the two
16 requests for comments and the approximately 200
17 responses to those requests for comments are all
18 available on our AI webpage. In addition to these
19 resources, are other helpful resources relating to
20 AI that can be found on this webpage. So, if you
21 haven't had a chance to take a look at our AI
22 webpage, I would encourage you to do so.

1 So, that concludes my presentation. I'm
2 happy to answer any questions.

3 MS. PETER: Very good. I don't hear any
4 questions at this point. So, Charles, thank you
5 so much. As you can see, we've achieved a lot
6 this year and in publishing some of these
7 important policy reports and also the AI Patent
8 Landscaping Report, which we're very excited about
9 and, of course, it's just been issued.

10 Now, we're going to turn to the tools
11 side. And we've made tremendous progress there as
12 well. So, I'll turn it over to Matt Such to give
13 you the details.

14 MR. SUCH: Thank you, Laura. And thank
15 you to the subcommittee for your engagement over
16 the course of this year. I think that a lot of
17 the efforts that we've undertaken certainly
18 benefitted from our interactions together with the
19 subcommittee. And I think there is a slide deck
20 that should say Patents Artificial Intelligence
21 Tools. Thank you. Okay, we can move forward.

22 So, I'm going to cover some of the

1 milestones that we reached during the last fiscal
2 year and as Jeremiah mentioned on the onset, talk
3 about our steps forward for the next fiscal year
4 on our search efforts and auto-classification
5 efforts. You can move forward two slides, please.

6 What you see before you here is a
7 screenshot of the artificial intelligence tool
8 that interacts with our next generation examiner
9 search tool. And the value proposition here is to
10 improve patent quality through enhanced search.
11 The important thing to note here, although there's
12 a lot of detail on the screen, is that as the
13 examiner does their search, the AI system has been
14 designed to help them with the review and
15 retrieval of documents.

16 You can move to the next slide. The
17 last fiscal year was quite amazing in terms of our
18 progress. I do want to commend our technical
19 team. They were able to go from the kickoff to
20 build the infrastructure as well as our AI
21 prototype in a four-month period, which was quite
22 remarkable. And that enabled us to enter into an

1 assessment period with our user center design
2 council where we test out and obtain feedback on
3 different capabilities. And I'll share some of
4 the highlights of those results now. If you can
5 move to the next slide.

6 So, this data shows some of the
7 capabilities and how our users felt that they
8 provided value. So, for both of these, these are
9 ways that the examiners can use to sift through
10 documents that result from a search or use
11 artificial intelligence to actually retrieve
12 documents in their search. And in both cases, our
13 users were reporting that they were finding
14 positive results for being able to sift through
15 documents more efficiently, as well as find prior
16 art relevant to the claim subject matter.

17 We can move forward to the next slide.
18 And these results provided some very interesting
19 insight into how our users perceived the tool
20 overall. A majority agreed that the enhancements
21 that AI provided was more enhancing to their
22 search than traditional search methods without the

1 artificial intelligence. And we were very
2 encouraged by the data on the right, which shows
3 that over 30 percent of the respondents felt that
4 they were able to retrieve prior art that they
5 would not have otherwise been able to discover
6 without the assistance of the AI features.

7 So, if you could move forward. Based on
8 the results we have gotten out of our user center
9 design council assessment, we are moving forward
10 to operationalize these capabilities and expand
11 access to these capabilities to a wider set of
12 examiners during fiscal year '21. This is
13 something that is linked with our next generation
14 search tool as part of the capabilities for that
15 search tool. And we will be moving forward over
16 the course of this fiscal year. Additionally,
17 there are some additional prototyping for more
18 advanced features that are currently under
19 development that we will continue to move forward
20 with during this fiscal year.

21 And I can move forward two slides and I
22 will discuss the auto-classification efforts. Our

1 auto-classification efforts, the value proposition
2 is around improved quality, as well as operational
3 enhancements and reduced costs. Our system has
4 been designed to apply CPC symbols to patent
5 documents, as well as identify claim subject
6 matter.

7 You can move forward to the next slide.
8 In fiscal year '20, we took an approach of doing
9 an iterative assessment and refinement by
10 obtaining feedback from experts and used that
11 process in order to make improvements to the AI
12 models that drive the system. When we reached the
13 middle of the fourth quarter, we found some very
14 interesting results, the ability for the system to
15 provide value for our claim indicators that we use
16 for our internal operations.

17 If you can move to the next slide. So,
18 this is some of the information retrieval metrics
19 that we've obtained with our claim indicators
20 capability and has found that it is very
21 competitive with the historical application of
22 these claim indicators on our patent documents.

1 And based on this information, if you can move
2 forward, we are moving to operationalize the
3 auto-classification of our claim indicators to
4 help us with the quality of those claim
5 indicators, as well as our operational efficiency.

6 In addition, during fiscal year '21,
7 we'll be continuing to monitor the ROI of that
8 particular program and that application of that
9 program. And further develop and improve the
10 models that are being used for the full
11 classification of assigning CPC symbols to
12 documents.

13 So, with that, I would like to thank
14 everybody, and if there's any questions, we
15 certainly can take those now.

16 MR. LANG: This is Dan Lang. Great
17 presentation. You know, it looks like great
18 progress on all fronts. Can you talk a little bit
19 about -- excuse me -- about the user interface the
20 examiners would see in a next generation search
21 tool? Is it going to be similar to what they've
22 experienced in the past? Is it going to require

1 significant retraining? What can be said about
2 that?

3 MR. SUCH: Sure, so, the next generation
4 tools were designed to be able to provide the same
5 capabilities that the examiners have in their
6 legacy systems, and also provide some additional
7 features of which artificial intelligence is one
8 of them. Certainly, there is a training aspect to
9 that, that we are supporting our examiners with,
10 particularly for any new features. And as we've
11 moved forward with expansion of that tool, we also
12 gather feedback from our users to help to improve
13 training materials and to improve the systems as a
14 whole.

15 MR. CHAN: I think it's a really good
16 question, Dan. And it probably (inaudible) from
17 your own experience of deploying new tools with
18 your teams. You know, I think as Matt mentioned,
19 the team has focused quite a bit on the
20 integration of these new features into existing
21 workflows. And so, for enhanced search, for
22 instance, that will be baked right into their

1 current PE2E system so they're not having to like
2 learn a new tool, go outside their current
3 workflow. It's all built-in. And some of the
4 prototype snapshots that I've seen from Matt and
5 Laura it seems like the transition should be very,
6 very smooth. Not a whole lot of learning curve
7 for them to get up to speed on some new different
8 tool.

9 MR. LANG: One follow-up question.
10 Thanks for that, Jeremiah. How do you see the
11 next generation tool enabling easier searching of
12 non-patent literature? Is that a phenomenon that
13 you can already see in testing? Is it something
14 that we can expect that examiners are going to
15 more easily find references that are not patents?
16 I mean, I ask because I think we all realize that
17 it's been a significant challenge for the patent
18 searching process to be able to capture the world
19 of publications that exist outside patent
20 documents.

21 MR. SUCH: Certainly. So, we agree that
22 having a federated search tool to be able to bring

1 in both patent forum and non-patent literature
2 sources into a unitary system is the gold standard
3 for search capability. Right now, the way that
4 the artificial intelligence system and our new
5 systems work depend on the libraries of patent
6 documents that are made available to that system
7 to access. There are a number of challenges that
8 the Office would need to overcome in order to
9 implement non-patent literature into those
10 systems. And certainly those are things that the
11 Agency is looking at ways to be able to move
12 forward with. But as of right now, the system
13 does not currently use non-patent literature
14 sources in the system.

15 MS. CAMACHO: Matt, this is Jennifer
16 Camacho. Thank you very much for that
17 presentation, terrific. We do have a quick
18 question from the public. And that's whether the
19 AI search tools are going to be made available to
20 the public?

21 MR. SUCH: Yes, certainly. That's a
22 question that we get quite frequently when we have

1 talked about these AI search tools, and this is
2 something we're looking at very carefully. I
3 would note that there is a dependency on the
4 availability of the AI capabilities in the PE2E
5 platform with the availability of the PE2E
6 platform itself being made available to the
7 public.

8 MS. CAMACHO: Thank you.

9 MS. PETER: So, this is Laura. Matt,
10 thank you so much. I'll just kind of follow-up on
11 that question. You can see these tools are
12 maturing a lot and we're very, very excited to be
13 rolling them out to a broader group of patent
14 examiners and perhaps the whole patent corps. I
15 don't think they're ripe enough to go out to the
16 public and we're still in this evaluation stage.
17 But it's certainly a question that we're going to
18 keep on the radar and follow it as we go along,
19 especially in this coming year.

20 So, with that, you know, this particular
21 PPAC subcommittee, AI Subcommittee, has been very
22 interested in what we've been doing with other

1 agencies. And, of course, artificial intelligence
2 policy and tool making is not solely the purview
3 of the United States Patent and Trademark Office.
4 And we have been following what other agencies
5 have been doing very, very closely. And I'm going
6 to turn it over to our expert in this area, Chris
7 Hannon, to give a quick summary on what we're
8 doing with other agencies around the federal
9 government and around the world.

10 MR. HANNON: Yes, great, thank you,
11 Laura. As Laura mentioned, I'll just plan to give
12 the herculean task of sort of giving you a sketch
13 of the U.S. Federal Government landscape of
14 projects and sort of how as relevant the PTO is
15 fitting into those projects. So, I think if we
16 just turn to my first substantive slide, please.

17 You'll see here that the starting point
18 that I'll bring us to is the AI for American
19 Industry Summit. This was summit convened back in
20 May of '18, bringing together government
21 officials, AI researchers, industry officials, to
22 sit down and discuss what policies the U.S. Would

1 need to realize AI's potential, and specifically,
2 what policies are needed to maintain the U.S.'s
3 leadership in the age of AI.

4 And so from that, one of the takeaways
5 from the American Industry Summit was the
6 formation of a select committee on AI. And so,
7 the select committee effectively establishes this
8 group that will advise the White House on
9 interagency AI R&D priorities. It's tasked with
10 establishing structures to improve government
11 planning and coordination of AI R&D efforts and
12 also to identify opportunities that exist of all
13 the wealth of federal data that exists across the
14 USG and also computational resources that the
15 federal government has to support this AI R&D
16 ecosystem.

17 So, specifically, this group is chaired
18 by the White House Office of Science and
19 Technology Policy, or OSTP, as you'll here me
20 refer to it. But it's also co-chaired by the
21 National Science Foundation and the Defense
22 Advanced Research Projects Agency, DARPA. From

1 the select committee, the next major hallmark
2 we've had so far here is the release of the
3 American AI Initiative. This was the February
4 2019 Trump Administration release via executive
5 order that identified six pillars with which the
6 government was to focus. Those six pillars are
7 investing in AI R&D, unleashing AI resources,
8 removing barriers to AI innovation, training an AI
9 ready workforce, promoting an international
10 environment supportive of American AI innovation
11 and responsible use, and lastly, to embrace
12 trustworthy AI for government services admissions.

13 And so, now the question is now that we
14 have the executive order, how do we implement
15 these pillars? And one sort of workhorse that we
16 have here in the Federal government is through the
17 National Science and Technology Council sort of
18 nested underneath the Office of Science and
19 Technology Policy, OSTP, there exists a machine
20 learning and AI subcommittee. And that's based on
21 fostering interagency coordination, providing
22 technical and policy advice on topics related to

1 AI, and to monitor the development of these
2 technologies across industries throughout the
3 research communities, as well as those efforts
4 underway in the Federal government.

5 And so, PTO actually participates in the
6 MLAI to ensure that IP equities are well
7 represented in any interagency discussions that go
8 on within the MLAI subcommittee. Another recent
9 federal development has been the formation of the
10 National Security Commission on AI, or the NSCAI,
11 as you may hear it referred to. The NSCAI is an
12 independent commission formed by Congress to
13 consider methods and means necessary to advance
14 the development of AI, machine learning, and
15 associated technologies by the U.S. to
16 comprehensively address the national security and
17 defense needs of the U.S. So, those six pillars
18 that I recited from the executive order, I think,
19 maybe one aspect of that was national security and
20 Congress has actually devoted this commission to
21 study this issue. And again, the PTO is very
22 fortunate to have staff detailed to the NSCAI

1 ensuring that that body's recommendations as they
2 come down will fully contemplate the relationship
3 of IP and innovation TAI in the national security
4 defense context.

5 The last item I'll mention here on this
6 slide is this project of the Administrative
7 Conference of the United States. They have an AI
8 project. The ACUS is the independent federal
9 agency charged with convening expert
10 representatives of the public and private sectors
11 to recommend improvements to administrative
12 processes and procedures. So, the AI project of
13 ACUS is specifically looking at the role that
14 machine learning and AI may play in any federal
15 agency adjudications, any agency rule makings or
16 other regulatory activities. If you're going to
17 apply AI, that's sort of the work and focus of
18 this particular group.

19 So, the next slide, please. So, that's
20 sort of a domestic level of what's been going on.
21 Very rapid, I know, but there's a lot there. The
22 next thing I'd like to turn to is to discuss the

1 international AI efforts that the PTO has been
2 involved with. And the first thing you see here
3 is to mention the Organization of Economic
4 Cooperation and Development. This is the
5 multilateral forum of 37 developed nations. The
6 United States federal level has been very actively
7 involved with the work of the OECD's AI efforts.
8 And in particular, back in May of last year, the
9 OECD published its principles on AI that is to
10 promote AI that's both innovative and trustworthy
11 and also putting a pinnacle on respect for human
12 rights and democratic values.

13 And so, our office here at the PTO has
14 actually been involved in sort of working with the
15 State Department, reviewing those drafts to make
16 sure that their -- all our IP equities are
17 protected adequately in any released statement
18 from that. But that statement from the OECD has
19 actually gone on and been adopted by the G20 and
20 the G7. So, that's a interesting statement that's
21 out there for anyone interested in those ethical
22 democratic value type principles behind AI.

1 The next item you see here is the work
2 of the World Intellectual Property Organization.
3 They've been having "conversations" on AI. And
4 these discussions have investigated the policy
5 ramifications of AI specifically on IP rights and
6 as well as the applicability of AI to the IP
7 office administration functions. And so, today
8 there has actually been three such of these
9 conversations, and they were all sort of carried
10 out under the vision of WIPO's previous director
11 general. There is now a new director general at
12 WIPO. And at the most recent third conversation
13 that took place earlier this month, there's
14 actually a plan now to continue with the
15 conversations, but there's a sense that I think
16 under the new leadership of WIPO will actually
17 trend more towards how do we apply AI to more
18 practical uses rather than sort of these
19 theoretical artificial general intelligence type
20 discussions that to some extent had been playing
21 out there. But as always, the PTO will continue
22 to participate in those discussions.

1 The next thing you'll see here is the
2 work of the IP5. You'll recall, of course, that
3 the IP5 is the world's largest five patent offices
4 comprising U.S., China, EPO, Korea, and Japan. In
5 2019, the IP5 formed its new emerging technology,
6 or NET AI Task Force that was intended to advance
7 the five offices' cooperation in these areas. The
8 first meeting of the IP5 and the AI Task Force
9 took in January of 2020, right before the pandemic
10 really took hold. And from that particular work,
11 we actually ended up doing, effectively, sending
12 out a roadmap to figure out which projects that
13 we'll undertake in those -- in that forum.

14 Very briefly, I'll just also mention
15 here that the OSCP has stood up a new AI R&D
16 collaborative working body with the UK. So, the
17 USPTO has a representative on that panel, and we
18 look forward to working on that project. But
19 that's a very rapid fire discussion of all that
20 we've got going on across the federal government.
21 Thank you.

22 MS. PETER: Thanks, Chris. I know we're

1 running over. That was a whirlwind around the
2 federal government and around the world on what
3 we're engaging with as far as intellectual
4 property and artificial intelligence. So, thank
5 you very much for that. And with that, I'll turn
6 it back to Jeremiah for any other comments or
7 questions.

8 MR. CHAN: Thank you, Laura. Thanks,
9 Chris. Julie, I know we're running over time.
10 So, not sure if we can still do Q&A or we should
11 probably move on, I'm guessing. You're on mute,
12 Julie.

13 MS. MAR-SPINOLA: Thank you. I was just
14 going to say I learn after every meeting or during
15 every meeting how much more time I wish we had for
16 each of these sections. And, certainly, AI is so
17 important. So, running behind but getting this
18 very important and interesting information is very
19 helpful. So, thank you, Christian and Matt and
20 your whole team, Laura. This is just great. So,
21 but I do think that we need to move on.

22 I want to say though, as I mentioned

1 earlier, that we have had very good viewership.
2 And I want to just tell you that we're about 230
3 plus folks on. So, this is great. There's great
4 interest. And I'm going to ask that they all stay
5 on, and I especially want to give a shout out to
6 our attendees. So, let's move on, if you don't
7 mind, over to IT. And I'm going to hand it over
8 to our Chair of the Subcommittee Mark Goodson.
9 Mark?

10 MR. GOODSON: Good afternoon or good
11 morning, wherever you're at. I'm going to start
12 by telling a story. It's about my brother. He
13 had a car growing up. It had good tires, good
14 suspension, good wheels, seatbelts, belts,
15 everything, but the car was most unreliable. Hold
16 that thought. In psychiatry, there is a function.
17 It's called a Gestalt disorder. And a Gestalt
18 disorder occurs, as an example, someone had a
19 stroke and their body physically heals from the
20 stroke. They don't have dysphasia. They can talk
21 well. They don't have a noticed problem with
22 their gait. They walk well. Their arms move.

1 All their parts work. You can imagine a choir
2 director with Gestalt disorder and that's what I'm
3 going to tell you about.

4 This choir director, if you tell him to
5 be at the church the next morning, he'll be there.
6 If then you told him to direct a certain piece, he
7 would direct it. And if you told him to play the
8 piano, he could do that. But he can't put all the
9 parts together if you told him the night before
10 you got to do all these things. He couldn't do
11 them. That's the nature of the Gestalt disorder.
12 And that's what was wrong with my brother's car,
13 always in the shop. It was always in the shop
14 because he was always wrecking it.

15 Having said that, my opinion the IT
16 group at one time had kind of a Gestalt disorder.
17 Look at the key players in the IT group. They're
18 all workhorses. I won't mention them by name.
19 There's too many, but they're all good. They're
20 all very, very intelligent people. They work very
21 hard. I can't say enough good things about them.
22 And yet, there was this lacking of someone in an

1 executive function. The IT group, look at them.
2 It's the same people as there before, with one
3 exception, and that's the top executive, Jamie. I
4 cannot say enough good things about Jamie. He's,
5 you know, he's a man that plans his work and then
6 works his plan. Academy graduate from West Point.
7 He knows how to lead. He has developed an esprit
8 de corps in that group that's just unheard of.

9 He's developed -- he's gone with the
10 Agile plan for software. No longer do we hear
11 excuses about why things can't be done. You give
12 him a problem, he tells you it will be solved, and
13 it's solved.

14 In terms of the annual report, you know,
15 he's worked on stabilization of the system.
16 Teleworking was already pretty perfected. It's
17 even more perfected now. I've already mentioned
18 Agile. We are moving away from PAIR to the Patent
19 Center. Then there's this issue of resiliency,
20 which really hadn't been addressed adequately the
21 last several years until Jamie got onboard.

22 So, Jamie, I'm going to turn it over to

1 you. You are a most capable individual, a true
2 leader, and I know everyone that works in the IT
3 group they follow in your footsteps and they do so
4 quite willingly. All yours.

5 MR. HOLCOMBE: Well, thank you so much,
6 Mark. I am humbled by your kind words. I will
7 say that it is a great competent group that we
8 have and the resiliency that you spoke of is
9 exactly where we're prioritizing our work for the
10 coming year. In fact, we're going to try to be
11 resilient out in the Cloud. And what that means
12 is we're going to actually create modern
13 applications like the Patent Center and be able to
14 use those out in the Cloud securely with what I'm
15 calling the zero trust architecture.

16 Now heretofore, we've done a lot of
17 great work in cyber security. And we do have
18 remediated all of our vulnerabilities, but with
19 constant vigilance, we are going to actually
20 improve and move out onto the Internet in a zero
21 trust architecture. So, there's more to follow on
22 those great words, but I tell you what, I couldn't

1 do anything if it wasn't for the great team that
2 we have behind us, the horsepower that you talked
3 about, that's so competent and good. Thank you
4 very much.

5 MR. GOODSON: We're ready for slides?

6 MS. MAR-SPINOLA: Mark, I believe Debbie
7 Stephens will be presenting. Is that correct,
8 Debbie?

9 MS. STEPHENS: I'm actually going to
10 turn the talking baton to both Bill and Raman for
11 this afternoon. Thank you.

12 MS. MAR-SPINOLA: Thank you. So, do we
13 have Bill online?

14 MR. GOODSON: Bill, you're on mute.
15 Bill, you're on mute.

16 MS. MAR-SPINOLA: Maybe check volume?

17 MR. STRYJEWSKI: Can you hear me now?

18 MS. MAR-SPINOLA: Yes.

19 MR. STRYJEWSKI: I'm so sorry. Hi, I'm
20 Bill -- I'll start again. Hi, I'm Bill Stryjewski
21 from the Patent Product Line. And to build on the
22 opening remarks that both Mark and Jamie

1 mentioned, I'll be talking about two new systems
2 that we're in a roll out phase that are meant to
3 replace aging systems where resiliency is a
4 cornerstone of them, and also expandability. Not
5 only providing something that is going to be more
6 resilient to support the data operations, but to
7 build upon and to improve upon over time.

8 So, without further ado, if we can go to
9 the next slide. So, PE2E Search is our
10 replacement search system. So, it is our next
11 generation search system for the examiners that
12 conduct prior art searches. Our legacy search
13 systems EAST and WEST were actually established in
14 1999 and 2000. We're replacing all the features
15 that the examiners have used over those almost 20
16 years to find prior art and we're providing
17 additional features for them to find that prior
18 art effectively and efficiently so we can have --
19 we can issue quality patent applications.

20 The current status of the program is
21 that we've rolled it out to 1,000 examiners and
22 we've trained them and we've gotten a lot of

1 positive feedback. We're continuing to grow the
2 amount of foreign office collections to them. So,
3 we've increased with dozens of additional
4 countries and almost 40 million documents. And in
5 doing so, we are providing not only the actual
6 documents themselves, all the documents, the
7 complete documents, not just an abstract, but also
8 an English translation of all those documents.

9 Our next steps are to continue to roll
10 out the search tools to the examiners so all
11 examiners are going to get the tools and be
12 trained on them. We're going to ingest another
13 almost two dozen of the countries. And to Matt
14 Such's previous presentation, we have a plan in
15 FY21 to integrate the artificial intelligence base
16 feature into the search tool, therefore, kind of
17 giving a comprehensive one user interface to find
18 prior art effectively and efficiently.

19 And obviously, increasing the foreign
20 data allows for examiners to hopefully find prior
21 art effectively and efficiently. And AI is going
22 to assist in hopefully sifting through the large

1 amount of collections over time. Does anyone have
2 any questions about PE2E Search?

3 Okay, Patent Center. So, Patent Center,
4 as Mark mentioned initially, is a replacement for
5 two our core externally facing tools. EFS-Web,
6 our filing tool, the way applicants submit patent
7 applications and responses to patent applications,
8 and the PAIR system. The PAIR System provides
9 reviewing and managing your patent applications.
10 So, we actually spent -- send out on the 75
11 percent of our correspondence goes out
12 electronically through the PAIR system. So, what
13 we're doing is we're building a single user
14 interface in Patent Center to kind of help manage
15 both the ingoing and outgoing communications with
16 the Office in a single environment.

17 We have a Patent Center beta out there
18 which you can submit real applications at this
19 point in time and manage your applications. So,
20 we're trying it. We're keeping the legacy systems
21 out there. We want you to kind of look and try to
22 adapt to the new systems because they're built on

1 much more resilient infrastructure and it will
2 allow us to kind of continue to add features and
3 technology, features to the stack, which could
4 hopefully make your user experience better and
5 your experience dealing with the USPTO better.

6 Currently, we've trained 5,600 end users
7 since April. We're receiving positive feedback.
8 We've been addressing defects and user feedback on
9 the way we would receive DOCX filings. So, DOCX
10 filings are text filings of applications. Our
11 intent there is that with the actual text provided
12 by the examiners -- I'm sorry, provided at the
13 applicant level where the actual applications are
14 created, we would be able to leverage that through
15 prosecution, provide that to the examiners so they
16 could more accurately understand what their use.
17 Maybe have automation associated with it to help
18 determine not only the prior art that's related to
19 it, and hopefully maybe help with data capture
20 down the road and improve publication. So, we
21 have a grand scheme of trying to manage a much
22 more text-based file wrapper to improve

1 prosecution and the quality of patents.

2 We're continuing to add the features
3 that have not fully been done in Patent Center.
4 So, there are some supplemental examination and
5 additional ePetitions. An ePetition is where you
6 go on and we actually decide the petition based on
7 the facts that the user has entered into the
8 system itself.

9 Our next steps with the system is to
10 continue with the functionality. A lot of
11 self-service based functionality. If you have
12 changes to address or entity status. Again, this
13 is something you can do online as opposed to
14 providing a form and then waiting downstream that
15 the form gets processed. There is also additional
16 filing types or ePetition types. The Hague
17 International Design, third party submissions.
18 So, some of these smaller, we get less filings of
19 these. So, we've kind of handled the major filing
20 types initially, and now we're kind of going
21 through the backlog.

22 Again, we want to build a better system

1 to have better user experiences. We've kind of
2 hit our peak with respect to technology on the
3 aging system. So, we really kind of want the
4 public to kind of use and embrace this tool and
5 provide us the feedback so we can make sure it's
6 the best tool for you.

7 Any additional questions on Patent
8 Center? Thank you.

9 MR. SARNA: Hi, good afternoon,
10 everyone. Sorry, fooled by the double mute
11 button. To ensure that the Agency's
12 infrastructure remains resilient as well tolerant,
13 the data centers are being modernized and
14 relocated from Alexandria and (inaudible)
15 respectively to Manassas and a secondary location
16 that is yet to be determined.

17 This migration will provide an
18 approximate 60 percent reduction in the footprint.
19 The ability to dynamically provision and reduce
20 assets through automation and DevSecOps, as well
21 as greater throughput and performance. In terms
22 of the current activity, the award for the primary

1 site in Manassas occurred in August of this year.
2 The actual migration work itself is scheduled to
3 begin in March of 2021 and will take approximately
4 12 months to complete.

5 The teams are currently focused on
6 current site discovery, which is validating the
7 existing inventory, mapping the applications to
8 the equipment, as well as the design of the new
9 site. And that work is approximately 50 percent
10 complete. The migration strategy that the Agency
11 has adopted is to establish feed infrastructure at
12 the new location, move over the high priority
13 applications with no or minimal downtime, and then
14 move the applications -- move the equipment,
15 excuse me -- that still has good life from
16 Alexandria to augment the initial capacity in
17 Manassas.

18 From a security posture perspective, the
19 vendor has self-certified their compliance with
20 NIST protocols and obviously, the Agency is doing
21 its due diligence and conducting a security
22 assessment prior to issuing the authority to

1 operate. The next quarter's plans are to complete
2 the site assessment and migration planning and
3 then begin execution of the relocation plans.

4 Any questions on this topic? Thank you.

5 MR. GOODSON: Jamie, I can't say enough
6 good things about your group. This is Mark
7 talking. Same players as before, just remarkable
8 progress and thank you very much.

9 MR. HOLCOMBE: You're more than welcome,
10 Mark. God's speed.

11 MR. GOODSON: Thank you, sir.

12 MS. MAR-SPINOLA: Okay, so, Mark, we --
13 does that complete the IT section presentation?

14 MR. GOODSON: Yes, it does. Yes, it
15 does.

16 MS. MAR-SPINOLA: Well, thank you for
17 bringing us almost back on time. Much
18 appreciated. The information are always useful
19 and so, thank you to everybody in the IT
20 subcommittee.

21 So, we're going to move on now to
22 international and the chair of International or

1 the co-chairs are Tracy Durkin and Jeff Sears. I
2 believe I'm handing this off to Tracy. Tracy?

3 MS. DURKIN: Yes, Julie. I'm here.

4 MS. MAR-SPINOLA: Thank you.

5 MS. DURKIN: You really picked up speed
6 there. I hope I can keep it going. All right,
7 so, I want to -- I'm also going to give some
8 highlights from the 2020 Annual Report. And I
9 wanted to just start by pointing out that there
10 are two parts of the Office that the International
11 Subcommittee interfaces with and that's the Office
12 of Policy and International Affairs. And since we
13 like acronyms in the government, I'll refer to
14 that as OPIA. And also the Office of
15 International Patent Cooperation, which is OIPC.

16 And so, as we know, COVID-19 has
17 affected the Office in so many ways not the least
18 of which has been the inability of members of both
19 of these groups to travel and meet with their
20 counterparts around the globe and to keep up with
21 important projects and keep them moving forward.
22 But despite these challenges, the Office has

1 maintained its leadership position across the
2 globe and collaboratively developed virtual
3 meeting opportunities and protocols that, frankly,
4 may change the way we work together with our
5 counterparts or at least the Office counterparts
6 in the future in terms of not just time, but money
7 spent on global travel.

8 One significant international meeting
9 that was actually supposed to take place in
10 Alexandria was the Office was going to host the
11 annual meeting, rather, of the ID5. The ID5
12 brings together the heads of the five largest IP
13 offices in terms of the number of design filings
14 made each year. Sadly, that meeting didn't take
15 place live, but it did take place virtually just
16 last month. And we'll hear more about that
17 shortly as well as the virtual meeting of the IP5.

18 Similarly, there are ongoing projects in
19 which the Office worked collaboratively with WIPO,
20 JPO, the KIPO, KIPO, the Mexican Institute for
21 Industrial Property, and many others. And this
22 work we're pleased to say continued uninterrupted,

1 really, during these precedented times.

2 The PPAC wants to commend the Office on
3 the collaborative work with these and other IP
4 offices to increase the certainty of IP rights and
5 reduce the cost for international stakeholders.

6 Finally, I want to mention before I turn
7 it over the Office's IP attache program. We tried
8 to shed some light on this again this year. This
9 is a really valuable resource that the public
10 really needs to be aware of. It's located within
11 OPIA and it continues to effectively advocate for
12 the improvement of IP systems around the globe.
13 And more importantly, to support U.S. individuals
14 and businesses with IP interests worldwide. The
15 U.S. industry has expressed support for the
16 attache program and requested elevation in
17 diplomatic ranks for the attaches in order to
18 improve their effectiveness in their interactions
19 with foreign government officials. And again, the
20 PPAC supports this request.

21 With that, I want to turn it over, I
22 believe, to Acting Chief Policy Officer and

1 Director for International Affairs Mary Critharis,
2 who by the way, congratulations on your
3 appointment to that position. And I believe Dan
4 Ryman is also with us. They're going to give us
5 an update on the work of OPIA and OIPC since our
6 last meeting and hopefully we will also get a
7 preview on what's to come in 2021.

8 MS. CRITHARIS: Thank you, Tracy.

9 MS. DURKIN: Mary?

10 MS. CRITHARIS: Can everybody hear me?

11 MS. MAR-SPINOLA: We can.

12 MS. CRITHARIS: Okay, fantastic, great.
13 First, I just wanted to say that along the lines
14 of what Tracy mentioned, we are really trying to
15 maximize our virtual platforms in order to keep up
16 with our international meetings and our
17 international dialogues with foreign colleagues.
18 We have learned that in some ways these
19 international meetings in virtual platforms that
20 we're using allow for enhanced participation. So,
21 we went into meeting where we only had maybe 30,
22 40 participants in a particular region, and now

1 because it's a virtual program, we're doubling or
2 even tripling some of the participants. So,
3 that's great news.

4 Going forward, we're, as Tracy
5 mentioned, mindful of two of the resources. We
6 will be trying to employ a hybrid approach where
7 these are on virtual platforms but admittedly for
8 some of the meetings, a virtual platform is not a
9 real good substitute for some of the in-person
10 discussions that we have with our colleagues. So,
11 we will be mindful of that and we are exploring
12 with the OCIO, you know, platforms that are
13 obviously stable and secure for the future.

14 So, with that we'll go to the next
15 slide, please, and show you what we will be
16 discussing today. So, we're going to give you a
17 brief update on some of our work sharing
18 initiatives. We have some new work sharing
19 agreements that we're going to be unveiling so I
20 wanted to share that with you all. Also give you
21 a brief overview of some of our upcoming
22 international meetings. And as Tracy mentioned,

1 give you a summary of the recent ID5 meetings that
2 we hosted last month.

3 Okay, so, for the new work sharing
4 agreement, in October we announced a new patent
5 validation agreement with the IT office of
6 Cambodia. And this is a validation agreement
7 where if a U.S. application is issued, you can
8 take that patent to the Cambodian office and they
9 will issue and they will validate the U.S. patent
10 and issue a Cambodian patent based on the U.S.
11 Patent. This is maximizing work sharing and
12 reliance on our work product. That program was --
13 that agreement was signed in October. Cambodia is
14 still working out some of the processing on their
15 end. So, we hope that that'll be in effect very
16 soon.

17 The next work share agreement we have is
18 a parallel patent plan agreement with Mexico. I
19 think we may have mentioned this briefly in our
20 previous session, but just to give an update.
21 This is also building on some of our existing work
22 sharing programs. But this is a program that will

1 maximize the reliance of the work product in the
2 USPTO. This is more of a collaboration program
3 between USPTO and the Mexican patent office
4 whereby we will work together to identify patents
5 that were issued by the PTO, which also have a
6 corresponding application filed in Mexico. And
7 once we send over and identify those applications,
8 the Mexican office will then do a very simple
9 formalities check. They will check for subject
10 matter eligibility given there's some differences
11 in the law. And the goal is to have a issued
12 patent in Mexico within 60 days.

13 So, building on these new concepts and
14 work sharing, going to the next level, we are
15 going to explore developing some of these work
16 share agreements in other jurisdictions as well.
17 We'll focus our validation efforts on some of the
18 smaller regions. Southeast Asia and North Africa
19 have expressed some interest in these validation
20 type agreements. And we're hoping to really
21 leverage the collaboration with the Mexico
22 agreement, which also is expected to launch in

1 December. This got delayed due to COVID because
2 there's some IT infrastructure that needed to be
3 employed on both sides.

4 So, we're really thinking about ways to
5 take the PTH, leverage all of the results and the
6 experiences from those agreements and go into a
7 next level, which even really maximizes the work
8 sharing agreements that we have. So, before I
9 turn to the other portions of the presentation,
10 maybe we'll stop if there's any questions on work
11 sharing.

12 Okay, then why don't we turn to the next
13 slide, please. So, I just wanted to give a real
14 highlight of some upcoming meetings. These are
15 all going to virtual meetings. But we are fully
16 engaged and even though, again, we're missing some
17 of that interaction with our foreign colleagues,
18 we will be hosting a heads of office trilateral
19 meeting in early December. We actually did have
20 the trilateral meeting on Monday of this week with
21 industry. So, we will take the feedback from the
22 industry and fold it into the trilateral meeting.

1 The trilateral meeting is the heads of offices of
2 the USPTO, the European patent office, and the
3 Japan patent office.

4 There's several meetings in WIPO coming
5 up in the next month. We have the Standing
6 Committee on Trademarks, Designs, and Geographical
7 Indications. We will be participating, David
8 Gerk, from the patent team will be participating
9 in that meeting that will be next week. Some
10 interesting topics on graphical user interfaces
11 will be discussed at that meeting. The upcoming
12 meeting on the Standing Committee on the Law of
13 Patents will be the second week of December. And
14 then the Working Group on the Hague Agreement will
15 also be December 14th to 16th as well.

16 We will have a Group B+ meeting. And
17 for those who are not familiar with the Group B,
18 Group B+ Forum, this is the forum that was
19 established back in 2005 to discuss harmonization
20 among like member countries. We wanted to have a
21 forum that we could make some progress on
22 harmonization, really focusing on prior art

1 related issues, first to file, consistency, and
2 grace period in conflicting applications,
3 publication of applications. So, we've been
4 meeting on and off with this forum for a long
5 time.

6 We were waiting for feedback from
7 industry on next steps. So, at this Group B+
8 meeting, industry will be going through some of
9 their proposals for how to make progress on
10 harmonization. So, for the most part, for this
11 meeting we'll be in listening mode.

12 Okay, next slide, please. Okay, so, I
13 just -- this is the ID5 summary. We were not able
14 to host this in person. We were really upset
15 about that because this was the fifth year
16 commemorative celebration of the launch of ID5.
17 ID5 was started back in 2015. It was actually our
18 idea to launch this forum. The ID5 industrial
19 design issues were part of the TM5, the trademark
20 forum. But we felt that we needed a separate
21 forum to really make sure that the issues were
22 adequately and sufficiently addressed. So, you

1 can see here we hosted the first meeting and then
2 China and then Europe and then Korea and then JPO
3 and then back to us.

4 Next slide, please. So, what are the
5 goals here? The goals here are very similar to
6 some of the other multilateral fora that we have
7 established. We wanted to develop a really
8 specific design specific mechanism for
9 implementing global best practices that are
10 helpful to the U.S. innovative design industry to
11 make sure that it's easier for them and
12 efficiently for them to protect their designs
13 around the world, recognizing there are very
14 different practices. So, the goal was to see if
15 we could harmonize some of those practices,
16 identify some deficiencies that needed to be
17 addressed, but make it simpler and easier for the
18 users to obtain, you know, global design
19 protection.

20 Next slide, please. So, we're showing
21 some of the objectives that we have in this forum.
22 We want to make sure that we have effective design

1 protection in all technologies. This is obviously
2 a critical component to all of our international
3 discussions. As we're seeing, we want to make
4 sure that there is adequate protection for
5 graphical user interfaces, as well as for designs
6 in virtual and augmented gig reality. We also are
7 trying to make sure that we improve consistency in
8 examination policies and practices. Again,
9 consistency, simplicity in filing in other
10 countries makes it easier for all of the users to
11 obtain global protection, but we also want to
12 identify the needs and challenges of the design
13 community through stakeholder outreach and
14 information sharing.

15 And on this point, I do want to take
16 some time to note that we were not able to have a
17 user component to the ID5 forum. We typically
18 have a user component, but unfortunately, given
19 the timing and the technology, we weren't able to
20 do so at the past meeting in October. But we are
21 trying to have a more dedicated session, hopefully
22 in January, February that would just be a USPTO

1 led Webinar where we could consult and interact
2 with our stakeholders and we can give more
3 specific, you know, updates on the project and
4 also hear back on what your concerns are so that
5 we may better address them. We realize the PPAC
6 is, you know, is a great forum for, you know,
7 communicating some of our work and our
8 achievements, but we really want to have a
9 separate forum to work directly with some of the
10 design user community.

11 So, next slide, please. So, here I just
12 wanted to highlight some of the achievements. I
13 mean, this forum has only been around for five
14 years, but we've made tremendous progress. I
15 think that is due in part to the fact that we've
16 had tremendous experience. And we launched this
17 platform to build on IT5 and TM5. So, within, you
18 know, the first year or two, we started
19 implementing an electronic priority document
20 exchange system that is now adopted by all of the
21 offices. And my understanding is we've received a
22 lot of positive feedback, especially during the

1 pandemic that it was easy for applicants to get,
2 you know, priority documents and not have to have
3 to worry about sending them to the offices. So,
4 that's a real success, a tangible success for this
5 group.

6 We were also able to make some progress
7 on the design formalities, harmonizing some design
8 formalities. Unfortunately, there's not much
9 progress at WIPO on the DLT, which is the design
10 law treaty. We have a PLT and TLT, but due to
11 some other political considerations, DLT is not
12 going forward. What was nice is that we were able
13 in this group to achieve success by agreeing on
14 the design formalities that are set forth in the
15 DLT. And these design, you know, practices are
16 not just to be used by the ID5, but it set the
17 stage to the rest of the global community that
18 these are best practices for handling design
19 formality issues.

20 We've also completed over 16 projects
21 and studies to simplify processes for applicants
22 all around the world. We've also prepared some

1 reference manuals. All of these, the design
2 practices, the projects, the comparative studies,
3 the manuals, they're all available on the ID5
4 website. And I will say that when we regroup and
5 we go through these projects, one thing that I
6 think is important to point out is, you know, what
7 are the benefits to USPTO directly? But it
8 constantly forces us to reevaluate some of our own
9 domestic systems and this is where some of the
10 domestic policy and the international policy
11 really interact because by studying how other
12 offices examine their applications, term periods
13 of protection, it makes us really reevaluate our
14 policies. Not just in the design space, but in
15 any other, you know, discipline as well.

16 Next slide, please. So, this is just to
17 give you a snapshot of what this platform looks
18 like and how we were able to, you know, connect
19 virtually for the ID5 meeting. So, I just wanted
20 to share this with you as well.

21 Next slide, please. So, what was really
22 discussed at this meeting in particular, we talked

1 about some of the existing projects. We closed
2 the comparative study on design infringement
3 remedies. We also made -- we discussed about
4 progress on some current projects. We also
5 initiated discussion on further areas for
6 potential ID5 recommended practices. This builds
7 on the recommended practices for the DLT design
8 law formalities. I think one thing we -- this
9 group is trying to do is not just have these
10 comparative studies but try to leverage them into
11 developing recommended best practices so that'll
12 take it to the next level. And we also, as I
13 mentioned briefly earlier, we also talked about
14 the importance of new and virtual environments and
15 all of the challenges with protecting designs in
16 those environments.

17 Next slide, please. So, we also opened
18 five new projects. I wanted to touch upon those
19 briefly. We opened up a project about an enhanced
20 communication plan, how to better engage with our
21 users so they know what we're doing so we can have
22 better ways of exchanging information. We also

1 talked about exchanging new technology. Perhaps
2 how to integrate new technological tools in
3 examination, in processing, in disseminating some
4 of the information that we have. So, this is
5 another project that is ongoing. We will have a
6 comparative study on deferred publication and
7 examination. I think this was something that was
8 specifically requested by the users so this was
9 adopted at this meeting.

10 We also have a comparative study on term
11 and renewal of protection. I think this is a
12 really important study and, you know, topical at
13 this time to, again, force us to reevaluate some
14 of the laws and practices on term of protection,
15 on renewing protection. What is best suited for
16 industrial design applicants. And we also decided
17 that this is a good opportunity for us to review
18 all of the existing projects that we had and to
19 see if we can build on that and identify some best
20 practices. We've had projects on grace period,
21 partial design, admissibility of evidence that's
22 on the Internet. So, a whole host of different

1 projects. We will go back and see if we can
2 leverage some of the information from those
3 projects to come up with recommended best
4 practices.

5 So, our goals and expectations are that
6 the work, all the work supporting all the projects
7 has been going on throughout the year. The ID5
8 annual meeting is just really a platform where we
9 get together to update and approve certain
10 projects, but there is a lot of work behind the
11 scenes throughout the entire year. China will be
12 the Secretariat and now will host the next annual
13 meeting. We expect to definitely have a user
14 component to that meeting whether it's virtual or
15 in person. And we want to make sure we do have
16 enhanced community for engagement for the users
17 through the ID5 website, but also as I had
18 mentioned earlier, through other opportunities.
19 Whether we have a Webinar, other vehicles for
20 communicating with us because really it's really
21 important that we hear from the users what's
22 important to them.

1 So, that is all I have. Obviously, any
2 questions, I'll be glad to take them. And also,
3 Dave Gerk is also on the line and he's our design
4 guru, so I'm sure he'll be happy to answer any
5 questions.

6 MS. DURKIN: Mary, thank you. We have a
7 minute to spare. That was great. Really excited
8 to hear that there will be some opportunity for
9 user engagement next year in terms of the new
10 projects that are coming down the pike from ID5.
11 I don't know if Dan Ryman is with us or not. If
12 he is, I was going to give him a minute to just
13 give us sort of a look forward in terms of what
14 his -- there you are, Dan. Anything you want to
15 add in terms of what you see for 2021 in terms of
16 what you're doing?

17 MR. RYMAN: Sure. So, thank you very
18 much, Tracy. I just wanted to quickly introduce
19 myself as well because I am fairly new to my
20 position. So, my name is Dan Ryman. I am
21 currently the Assistant Commissioner overseeing
22 the Office of International Patent Cooperation. I

1 have been in the position for a little over a
2 month now. And prior to this position, I came
3 from the Office of Patent Quality.

4 So, a couple of things that I wanted to
5 highlight for the work that we are doing within
6 OIPC. First off, I wanted to actually thank
7 everybody who has been working on the virtual
8 meetings. I know that we've already touched on
9 this, with Tracy's comments and Mary's comments,
10 but I did want to underscore how much work went
11 into moving all of these large international
12 meetings into the virtual format. I mean, there
13 was a lot of work within USPTO and people
14 throughout the world whether that's bringing in
15 from IT trying to find systems that will support
16 translation, et cetera, to move these meetings
17 into a virtual format to project managers who are
18 looking to find times that would be suitable for
19 people from around the world to sign on at a
20 single time.

21 So, amazing amount of work that went
22 into this. And, you know, credit to all of the

1 work that happened that we are able to move all of
2 these meeting online and the work has continued,
3 certainly, uninterrupted.

4 As Mary pointed to, going forward what
5 we're looking to do is to identify a hybrid
6 approach where we will look for what is the best
7 avenue for future meetings whether that be
8 in-person or virtual given the benefits that we
9 have identified due to virtual meeting process.
10 Just wanted to take a moment to highlight that.

11 The other thing is turning to some of
12 the work sharing stuff. Mary already touched on
13 some of the things that were going on with
14 parallel patent grants. So, we're looking forward
15 to working with them, you know, in this fiscal
16 year to operationalize the agreements that they
17 have been working hard on concluding.

18 In addition, on a couple of other
19 programs that I believe people are fairly familiar
20 with. Just want to give some highlights. So,
21 first off, the collaborative search and
22 examination pilot. This is a pilot that is being

1 run through PCT and it involves all the IP5
2 offices searching an individual case and
3 developing a single search report with the
4 particular application. This project has been
5 going on for two years and the big highlight is
6 they just concluded the operational phase and we
7 have moved into the evaluation phase. And the
8 evaluation phase is going to be about a two-year
9 process as well. So, exciting news that we have
10 shifted phases here and looking forward to
11 relaying the results of the evaluation phase once
12 we get it.

13 The other big news is on the
14 collaborative search pilot. This is a pilot that
15 we are working with KIPO and JPO and which we both
16 search an application, and again, swap our
17 results. This program was recently extended for
18 another two years. And we are also looking
19 forward to our continuing to evaluate this project
20 going forward. So, that's kind of the big things
21 going forward with respect to OIPC.

22 MS. DURKIN: Dan, thank you. And my

1 apologies for not introducing you. I feel like
2 you've been around forever. So, sorry --

3 MR. RYMAN: No worries.

4 MS. DURKIN: -- I did not do that.

5 Julie, I know we're over time. So, unless there's
6 questions from the public or anyone else who's on
7 the call here now wants -- has a question, we
8 probably can move on.

9 MS. MAR-SPINOLA: Yes, we actually have
10 a couple of minutes thanks to our IT subcommittee.
11 So, if there are any questions, we can hear them
12 now. Otherwise, we can move on.

13 And I don't see anyone's up. All right,
14 so, let's take advantage of the timing. Thank you
15 very much to International Subcommittee, to Tracy.
16 Sound like exciting things are happening. I think
17 maybe you all are experiencing -- that is a
18 disappointment that you didn't get to host in
19 person. So, I think that hopefully there will be
20 a makeup time or opportunity to do that. But, you
21 know, I trust that it was very effective
22 nevertheless doing it virtually. So, thank you

1 very much.

2 So, let's move on to PTAB. And this
3 subcommittee is chaired by Jeff Sears. And, Jeff,
4 I want to hand it over to you.

5 MR. SEARS: Okay, thanks very much,
6 Julie. I thought I would start off our PTAB
7 session today with giving a few highlights on our
8 annual report. So, this year, the PTAB improved
9 the consistency, predictability, and transparency
10 of its proceedings notwithstanding that the
11 pandemic led to the closing of the Patent Office's
12 physical space to the public in mid-March. PTAB
13 was able to make a very swift and complete
14 transition to full telework and remote hearings
15 and that ensured the continued handling of a very
16 steady volume of ex parte appeals and AIA trials.

17 With respect to ex parte appeals, the
18 PTAB continued to reduce pendency across all
19 technology areas as the Director noted at the
20 start of our session today. And with respect to
21 AIA trials, the PTAB continued to meet all
22 statutory deadlines without extensions.

1 The PTAB also made significant progress
2 in IT improvements and upgrades. Most
3 significantly, the PTAB is underway to converting
4 from multiple non-integrated IT systems to a
5 single integrated IT system. This conversion will
6 provide many benefits and in particular for
7 external users, it will give them an improved,
8 simple, and single user interface to make filings
9 in all types of proceedings, and it will help
10 reduce administrative filing errors.

11 At this point, I will turn it over to
12 the PTAB.

13 MS. BONILLA: Good afternoon. This is
14 Jackie Bonilla. Thanks so much, Jeff, for that
15 introduction. If we can move to our slides, if
16 somebody can put those up. Perfect, thank you.
17 Next slide.

18 Great, thanks. So, this is just a quick
19 agenda and I know we have a half an hour, which
20 isn't a whole lot of time, but we wanted to go
21 through a few things. Jeff just did a nice
22 introduction highlighting the annual report. So,

1 we will skip past that one.

2 We thought with our time we would talk a
3 little bit about one of our precedential cases
4 relating to AIA proceedings, and specifically, the
5 application of the statute U.S.C. 325(d). This is
6 an important topic because it relates to the
7 interplay between PTAB and the rest of the Office.

8 As you may know, 325(d) states, in
9 determining whether to institute an AIA trial, the
10 director may take into account whether the same or
11 substantially the same prior art arguments
12 previously were presented before the Office, such
13 as during prosecution. Our Lead Judge Deshpande
14 will discuss an Advanced Bionics case, which
15 explains how PTAB applied this statute.

16 Next, we will talk a little bit about
17 some multiple petitions. Bill Saindon, one of our
18 lead judges, will present one of our latest
19 studies. And this, again, led to multiple
20 petitions. And what we mean by that is more than
21 one petition filed by the same petitioner against
22 the same patent. Whether it be serial over time

1 or a parallel, meaning they're filing more than
2 one at about the same time.

3 And lastly, Lead Judge Mike Kim will
4 cover an overview of CBMs. It's an interesting
5 time to talk about CBMs because they just sent
6 that last September. So, some stakeholders have
7 asked for some clarification about, you know,
8 what's going on with them now that we've
9 transitioned Lead Judge Kim will present some
10 information along those lines including some
11 statistics from the past and from today.

12 So, I think we can move on to the next
13 slide and Lead Judge Deshpande can take it from
14 here.

15 MR. DESHPANDE: Great, thank you,
16 Jackie. Yeah, we wanted to highlight this case,
17 the Advanced Bionics case. This case has an
18 important interplay between what is happening
19 during prosecution and other things that are
20 happening at the Office, and what happens when the
21 case avails itself to PTAB. Like Jackie
22 mentioned, this is really rooted in the statutory

1 text of the language of 35 U.S.C. 325(d). The
2 language of that statute asks the question,
3 really, if the same or substantially the same are
4 presented to the Office before. And when we
5 discussed this then in terms of how we're going to
6 manage the application to the statute, the
7 decision sets forth a two-part framework where we
8 asked the question, was this before the Office
9 before? And if it was, we get to the second part
10 of the framework where it says, you can see it on
11 the second bullet point, is whether there has been
12 demonstrated that the office erred in a manner
13 material to the patentability of the challenged
14 claims.

15 So, when we defer this back to a
16 commitment to previous office determinations, if
17 the office evaluated the same arguments before, a
18 petitioner must demonstrate whether the office
19 erred in a manner material to the patentability of
20 the claims. Under this evaluation, we determined
21 whether to exercise discretion to institute trial
22 or not. Originally the 325(d) statute was

1 evaluated under a previous precedential case in
2 Beckton, Dickinson. This case reframes it right
3 back into the category of what's really right in
4 the statute. So, it streamlines the analysis to go
5 right back to the analysis as to what's -- what's
6 in the statute.

7 This is an interesting decision. If you
8 see the decision itself, it does do an in depth
9 characterization of exactly what happened during
10 prosecution and what was before the Office when
11 determining how to apply the statute and whether
12 it exercised discretion or not. So, after
13 applying the framework, the Board will determine
14 whether the petition has the same art or
15 arguments. And if it does, has the petitioner
16 demonstrated an error in material to the
17 patentability of the claims. I think we're ready
18 to move on to the next slide unless there's any
19 questions.

20 MR. SAINDON: Okay, I can take it from
21 here. Switching on to the topic of multiple
22 petitions. So, what this study was looking at was

1 from the perspective of a petitioner, how
2 successful are multiple petition strategies? So,
3 in order to look at this, we have the concept of a
4 challenge. So, if the petitioner is going to
5 challenge a patent, that's what we're looking at.
6 Do they challenge a patent with one petition or
7 multiple petitions?

8 Now, from some of our prior studies that
9 we've published, you know, it's shown that there's
10 generally most petitioners use one petition for
11 one patent. However, in the more rare instance
12 where there are multiple petitions, that's what
13 this study is about. And there's really two
14 types. There's the serial petition, which is one
15 petitioner versus one patent and the petitions are
16 filed sequentially over a course of time. Or
17 there can be parallel petitions where several
18 petitions are filed all at one time.

19 We'll go into further detail with each
20 of these. If we could go to the next slide.

21 MR. SEARS: Before you go on, can I ask
22 you a question? This is Jeff Sears. What's the

1 significance of 90 days?

2 MR. SAINDON: Right, good question. So,
3 the absolute -- if there's a petition filed, the
4 absolute earliest that a patent owner preliminary
5 response would be due is 90 days from that date.
6 Practically speaking, there's a couple of days of
7 time to process the petition, but the 90 days is
8 the time from filing to (inaudible) in the
9 earliest instance. The significance of that being
10 that anything filed within that 90 days, if the
11 petitioner was to file another petition, they
12 would have learned nothing from either the patent
13 owner or the Board. And so, that's where the 90
14 days comes from.

15 MR. SEARS: Great, thanks.

16 MS. MAR-SPINOLA: This is Julie. If I
17 could just if you could go back to that slide. I
18 just want clarification on I see that the second,
19 third, and fourth petition refer to the same
20 petitioner. On the first bullet, are we talking
21 about multiple petitions by the same petitioner or
22 different petitioners?

1 MR. SAINDON: Yes, this is a
2 petitioner's, an individual petitioner, what
3 strategy are they taking? Are they filing
4 multiple petitions? So, it's one petitioner
5 against one patent and then how many petitions and
6 how are they filed.

7 MS. MAR-SPINOLA: Okay, so, in each of
8 these instances, it's the same petitioner, right?

9 MR. SAINDON: That's correct.

10 MS. MAR-SPINOLA: Okay, thank you.

11 MR. SAINDON: Okay, so, let's move to
12 the next slide, please. Okay, so, we need to
13 define a few things here. So, we just defined
14 what a serial petition is where a petition is
15 filed more than 90 days apart from the first one.
16 The second is when from a petitioner's perspective
17 is the serial petition successful or not? So, in
18 all instances of serial petition, you have the
19 first filed petition and then later in time you
20 have the actual serial petition. The serial
21 petition being that second petition.

22 And so, if the first petition is

1 instituted and the serial petition is instituted,
2 that's a successful petitioning strategy. That's
3 a successful serial petitioning strategy. If the
4 first petition was denied and then the serial
5 petition was instituted, that's also a successful
6 serial petition strategy. Contrast that with if
7 the first petition is instituted, but the serial
8 petition is denied, well, they didn't get their
9 serial petition, so that was a failed serial
10 petition attempt. And then, obviously, if
11 everything is denied, then it was a failure in
12 both ways.

13 So, let's go to the next slide, please.
14 So, what we did is using that -- using those
15 definitions, we looked and reviewed the cases from
16 several different fiscal years. And the idea here
17 is that General Plastic was the first precedential
18 case that addressed serial petitions. That was
19 designated right at the beginning of fiscal year
20 '17. So, that provides an interesting natural
21 experiment. We can look at fiscal year '16 where
22 there was no precedential guidance on serial

1 petitioning, so, we could see kind of what was the
2 state before. General Plastic then sets forth a
3 series of factors for the Board to analyze to
4 determine whether or not to allow a serial
5 petition. And so, we can compare all of that.

6 Let's go to the next slide. And so, the
7 way that we're going to do the comparison is with
8 a table and these are the columns. So, we have a
9 fiscal year and then we list the number of
10 challenges. And again, a challenge is one
11 petitioner versus one patent. So, we're taking
12 out the volume here whether there was one
13 petition, two petitions, three petitions, we're
14 just looking at what did the petitioner, what
15 strategy did they choose?

16 So, the next column is serial petition
17 attempts. So, it will have a number of
18 petitioners challenging patents, then how many
19 times did a petitioner choose to do a serial
20 petition strategy? That gives us the serial
21 petition attempt rate. And then we looked at,
22 well, how many times was that serial petition

1 actually successful? And that gives us a serial
2 petition success rate.

3 So, let's go to the next slide and see
4 the data. Okay, so fiscal year '16. So, this
5 again, pre General Plastic, before there was any
6 guidance on serial petitions. There was 89
7 attempts. That's 89 times the petitioner
8 challenged a patent using the serial petition.
9 Out of all the challenges, that's 7 percent
10 attempt rate. So, not particularly high.
11 However, if you look at the serial petition
12 successes, there's 46 of them for a success rate
13 of 50 percent. So, it didn't happen very often,
14 but when it did, it was about a 50/50 shot of
15 whether or not the Board would institute.

16 Once we have fiscal year '17 and General
17 Plastic is in place, the attempt rate is about the
18 same. And now, we see the success rate has
19 dropped quite a bit. And then we look at today,
20 fiscal year '20, or just fairly recently, the
21 attempt rate has gone way down and there were 7
22 successful serial petition strategies our last

1 fiscal year for a success rate of 33 percent. So,
2 one of the things to note here is that General
3 Plastic was introduced in '17, but didn't drive
4 down the attempt rate right away. People were
5 still trying to figure out what does this case
6 mean, plus there was a pipeline of cases that had
7 already been filed before that that we were
8 working through. So, it wasn't until the success
9 rate dropped then the attempt rate dropped.

10 And so, there were seven successful
11 serial petitioning strategies in fiscal year '20.
12 So, what we did is we looked at the seven of those
13 and we tried to determine what is it that that's
14 about that case that made it so that the serial
15 petition was allowed? So, let's go to the next
16 slide and look at those seven.

17 Okay. So, in two of the instances of
18 the seven, what happened was the patent owner
19 asserted new claims in the district court. We
20 were still within the 315(b) time bar window, so,
21 the petitioner filed its -- filed another petition
22 to address these new claims. So, using the

1 General Plastic analysis, which is kind of a
2 balancing of the equities, the panel decided that,
3 well, this is an okay situation and they allowed
4 that petition to be looked at.

5 There were two more where the patent
6 owner didn't contest adding just one or two
7 claims. In one of them, it was pretty clear that
8 an error was made. The petitioner omitted a
9 claim. So, you know, the petitioner filed maybe a
10 first petition with a large number of claims and
11 then later filed another petition, again within
12 the time bar window, to add one or two claims that
13 they had omitted. And the patent owner was -- did
14 not contest them.

15 And then, lastly, there was three of the
16 seven where there a CBM filed. The CBM was denied
17 on the basis of it not being eligible for a CBM.
18 So, the petitioner immediately after getting that
19 decision, filed an IPR using a ground that's not
20 eligible in CBMs, 102 ER is not eligible for CBMs.
21 So, the filed a ground that they could have raised
22 in the CBM in the IPR. And because the CBM was

1 denied not based on the merits, but just based on
2 the eligibility, the panel determined balancing
3 the equities that it was okay to refute those
4 three IPRs. And again, with CBMs, subsetting out
5 this reason probably won't happen again the
6 future.

7 So, let's go to the next slide. So, to
8 sound off before turning to the parallel
9 petitions, the success rate of serial petitions
10 dropped dramatically immediately after General
11 Plastic was issued and made precedential. The
12 attempt rate dropped, but it took some time, and
13 it was after the success rate dropped then the
14 attempt rate subsequently dropped. And in
15 general, serial petitions were successful when the
16 scope of the district court litigation was in flux
17 or to correct minor errors and omissions.

18 Okay, let's turn to parallel petitions
19 now. Okay, once again, we have to define what is
20 a successful or unsuccessful parallel petition?
21 So, serial petitions was somewhat easier in that
22 you have this passage of time. You have the first

1 one and then the second one. Parallels are flat
2 filed generally on the same day or within a day.
3 And so, right here we're going through the
4 different permutations. So, the key here is that
5 the parallel petition, the truly parallel petition
6 is that second petition that's instituted. Okay,
7 so, in the top left corner, we have three
8 institutions. So, they had a first institution
9 and had two additional ones that's clearly
10 successful parallel petitioning. If they had a
11 first institution and a second institution, that's
12 also a success. They were able to get their
13 parallel petitions instituted.

14 Now, if just one petition is instituted,
15 that's a parallel petitioning failure. They were
16 able to get a petition, but they were not able to
17 get a parallel petition. And then, obviously, the
18 easy case, if they're all denied then that's
19 clearly a failure. One note here. The order
20 doesn't matter, parallel petitions are filed at
21 the same time, so which one's the first or second
22 is somewhat arbitrary. So, you can imagine these

1 can be in any order, but I've presented it this
2 way just to simplify things.

3 Okay, let's go to the next slide. The
4 timeframes for parallel petitions. So, in
5 mid-fiscal year '19, the Board issued a case
6 called Comcast v. Rovi. And it was actually an
7 order. In that case, the petitioner filed a
8 number of parallel petitions. I don't recall the
9 exact number, but it was quite a few. And the
10 Board issued an order basically saying, look, you
11 need to pick one. Tell us what's the best one
12 that you want us to evaluate and we'll evaluate
13 that one. And if there's some extraordinary
14 reason we need to look at these other ones, you
15 can tell us that too.

16 And that kind of set -- that was the
17 first time the Board did that. The Trial Practice
18 Guide update, which was later that fiscal year,
19 baked that into our practice. So, now, when a
20 petitioner files multiple petitions at the same
21 time, a parallel petition, they have to tell us
22 which one they want us to review. So, basically,

1 the rule is pick one and if you have a really good
2 reason for us to look at these other ones, tell us
3 that really good reason. Again, it's kind of a
4 balancing of the equities here.

5 So, the fiscal years we'll look at here
6 are fiscal year '18, which is before any of this
7 happened. Fiscal year '19 where we were
8 transitioning into analyzing parallel petitions
9 with this pick one policy, and then fiscal year
10 '20, which is the latest information we have.

11 Let's go to the data. Next slide,
12 please. Okay. In fiscal year '18, we saw an
13 attempt rate for parallel petitions about 15
14 percent. So, that means, 15 percent of
15 petitioners tried to file multiple petitions at
16 around the same time to challenge a given patent.
17 They are successful about half of the time. So,
18 that doesn't mean they necessarily got all of
19 their petitions, but they got at least that second
20 petition about half the time.

21 Fiscal year '19, which is where we
22 started transitioning and having guidance on this

1 topic, the attempt rate notched up a little bit to
2 20 percent and the success rate also notched up a
3 little bit to 54 percent. Fiscal year '20 now,
4 however, that's when the Board was operating on
5 petitions filed under this particular scheme of
6 pick one. The attempt rate still stayed about the
7 same, 15 percent, but you notice now the success
8 rate has dramatically dropped down to 30 percent,
9 not quite half of where it was last year. So,
10 again, we looked at these 43 successful parallel
11 petition instances to figure out, okay, what was
12 going on that the Board panel decided that it was
13 okay to -- and actually, before I jump there, I
14 just want to note there's a footnote down there.
15 It says that the average number of petitions filed
16 in a -- it should say parallel petition attempt --
17 was 2.2 in fiscal year '18, 2.37 in '19, and 2.28
18 in fiscal year '20. What this is telling you is
19 that when a petitioner did try a parallel petition
20 strategy, the average number of petitions filed in
21 total was 2.something. You know, as compared to 5
22 or 10 or 20. It was usually just two, one extra

1 petition.

2 So, let's go to the next slide here
3 where we look at those 48 successful parallel
4 petition situations. Okay, so, the first one
5 listed here for 11 instances where there was a
6 large number of claims for this complex claim set.
7 Basically, we're talking about a large number of
8 things to talk about in which the Board's fairly
9 restrictive page limits were not enough to address
10 the situation. So, there was a large number of
11 claims. One petition would, you know, maybe the
12 first 20 or 30 claims, the next petition would
13 have the next 20 or 30 claims, and they were
14 broken up that way. So, these were, you know,
15 effectively but for the page limits, they would
16 have all been together.

17 So, non-overlapping claims after the
18 first group. The second group is cases where
19 there was an issue of prior art eligibility or
20 antedation. So, say the best prior art was a
21 102(e) getting close to the challenged patent's
22 priority date. They weren't sure whether the

1 patent owner would try to antedate it or not.
2 Usually in the briefing, we would get an
3 affirmative yes, we are going to challenge it or
4 no we're not going to try that. So, what happened
5 here was usually that issue was still fresh. It
6 was going to be disputed. So, the panel
7 determined balancing the equity there that it was
8 okay to have another petition, you know, in
9 addition to this petition with this prior art
10 eligibility or antedation issue. That was 12
11 cases.

12 There were 20 in which the patent owner
13 just didn't contest the issue. They often
14 contested other things. Maybe they raised a
15 (inaudible) issue or a 325(b) issue or just merits
16 issues, but they didn't challenge the parallel
17 petition issue. And looking at those, they were
18 all issues where there was a large number of
19 claims. The petitioner was saying there was large
20 number of claims here, that's why I've done this.
21 So, they probably just didn't contest it for that
22 reason or they just didn't feel like it was worth

1 their pages.

2 And lastly, there was one where patent
3 owner asserted new claims in the district court
4 and it just happened to fall within that 90-day
5 the difference between parallel and serial
6 petition window so the petitioner was able to just
7 quickly submit a new petition addressing the new
8 claims and go from there. So, you'll notice if
9 you add these up, it adds up to one more than what
10 I had before. That's because there was one case
11 that had two of these issues going on in it.

12 Okay, so that was the successful
13 parallel petitions last year. Observations. The
14 attempt rate has slightly fallen from last year,
15 but not, you know, orders of magnitude. The
16 success rate, however, has fallen quite a bit.
17 Given the way that we saw the serial petitions
18 work out, it took a year before the attempt rate
19 really dropped. I wouldn't be surprised if next
20 year the attempt rate for parallel petitions drops
21 based on that. Historically, again, we don't
22 quite know.

1 But if you look to the merits of what's
2 going on in these cases, two-thirds of the time
3 it's the parallel petition was filed to cover a
4 non-overlapping claim set on the same art.
5 Basically, we're talking about it's just a big
6 patent or the issues are very complex and they
7 need more pages. One- third of the time was to
8 cover those uncertain prior art status issues.
9 Either there was an antedation issue that was live
10 or some sort of prior eligibility issue that was
11 live, and that covered that situation. And,
12 again, if a parallel petition is granted, 90
13 percent of the time when the Board grants a
14 parallel petition, it results in two total trials
15 against that patent for that petitioner.

16 Okay, I'll move to the next slide. I
17 believe that is it, yes. So, if there is any
18 questions? If not, thank you very much for
19 listening.

20 MR. SEARS: This is Jeff Sears. I'll
21 just make a comment. I really appreciate your
22 analysis why certain serial or parallel petitions

1 were successful. The actual walkthrough of what
2 the factors were really helpful, and potentially
3 some strategic advice for patent owners who are in
4 litigation or petitioners. Really helpful, thank
5 you.

6 MR. SAINDON: Thank you.

7 MS. BONILLA: I think that next we'll
8 have Lead Judge Mike Kim talk a little bit about
9 CBMs. Mike, are you able to get on?

10 MR. KIM: Yes, I'm here. Thank you,
11 Jackie.

12 MS. BONILLA: Excellent.

13 MR. KIM: Yes, so, on September 16,
14 2020, the Covered Business Method Patent Review
15 Program sunsetted after eight years. Although the
16 second bullet point, we will note that that
17 doesn't mean that there are no more CBM
18 proceedings. Although the program has sunset,
19 petitions filed on or before September 16th are
20 still pending at the Board. And there are some
21 numbers there, but we have some graphs which we
22 think probably do more justice. So, if you go to

1 the next slide, please.

2 So, as far as the overall volume of the
3 CBM program, you can sort of see that it started
4 off with 8, peaked at 177 in fiscal year 2014, and
5 then sort of had a slow decline until we had 22 in
6 fiscal year '19, and 20 in fiscal year '20.
7 Although, I think there's probably a little
8 asterisk deserved for fiscal year '20.

9 So, if you go to the next slide, please.
10 So, the big takeaway here is on the top graph at
11 the far right, you will see that eight were filed
12 right at the sunset of the program. So, you can
13 sort of decide for yourself, you know, how to
14 handle that 8 of the 20 that were filed in fiscal
15 year '20. So, with that, we just wanted to
16 provide a quick update. And if there are any
17 questions, I'm happy to try to answer them.

18 MS. BONILLA: And I just wanted to
19 follow-up. That was the bulk of what we had to
20 discuss for today, unless anybody has questions.
21 But we did want to thank you, Jeff, for all of
22 your support and also for the entire PTAB

1 Subcommittee as well as Julie and the entire group
2 at PPAC. Your support of us and feedback that
3 you've provided to us has been really, really
4 valuable. As you know, we've gone through a lot
5 of changes in the last couple years. This has
6 been a big attempt on our part to do a lot of
7 things at once. Lowering our pendency and ex
8 parte appeals, improving our processes in AIA
9 trials, to try and be fair and balanced and
10 transparent to our stakeholders. And feedback
11 that we get from stakeholders and particularly
12 from PPAC are very, very helpful to us. So, thank
13 you so much for all of that and for staying in
14 touch with us and providing all the great feedback
15 that you do.

16 MR. SEARS: Thank you very much for the
17 kind words. It's been a pleasure to work with you
18 and the rest of the PTAB this year. And I think
19 you've made some great progress and we look
20 forward to continuing a great working
21 relationship. Thank you.

22 MS. CAMACHO: Jeff, we do have a couple

1 of minutes and we did get a question in from the
2 public asking whether they can get the raw data
3 for serial and parallel petition study?

4 MS. BONILLA: Yeah, that's something we
5 can look into. We can see if we can provide that.
6 We've done that in some of our other studies where
7 we just gave the raw numbers. We did that on a
8 motion to amend. So, we will -- motion to amend
9 study -- so, we'll look into whether we can do
10 that here as well.

11 MS. CAMACHO: Thank you very much.

12 MS. MAR-SPINOLA: Okay, Scott, you've
13 been quiet. I miss hearing from you. So, do you
14 have anything to add or to laud your team?

15 MR. BOALICK: No, I have nothing to add.
16 Just to, you know, echo the same things that
17 Jackie did. I really appreciate all the support
18 and assistance from PPAC. I look forward, you
19 know, to interacting another year. Was just, you
20 know, giving some other team members some airtime
21 this time.

22 MS. MAR-SPINOLA: No, I think that's

1 great. And by the way, I wasn't looking for
2 compliments to the PPAC. I was looking for you to
3 compliment your team who we think are great and
4 amazing, so.

5 MR. BOALICK: Right, well, and, you
6 know, likewise, you know, it really does take a
7 team and I think we've got a fabulous team here at
8 PTAB. It's a pleasure working with everybody and,
9 you know, they're all super dedicated to their
10 job. So, it really just does make it a pleasure,
11 you know, going to work every day.

12 MS. MAR-SPINOLA: All right. Okay. So,
13 unless we have further questions, I think we're
14 going to stay on time and move to the Legislative
15 Subcommittee. Today we have Kimberley Alton, our
16 Deputy Director, Office of Government Affairs and
17 Oversight, who will be giving us an overview on
18 the status of legislative matters. I think I'm
19 going to turn it a little bit different than what
20 we've been doing, which is to have a preview of
21 the annual report, but I think I'm going to hold
22 back and do recommendations after Kimberley's

1 presentation.

2 I did want to say and take this time,
3 given that I have an extra minute or two, is to
4 say all the presentations that you've seen, I
5 believe, will be available on the PPAC webpage.
6 And then also, importantly, the annual report will
7 be available. It gets released Tuesday, the 24th
8 after 6:00 a.m. eastern, and it will be published
9 in the EOG. But you can also find a pdf copy of
10 the report with live links also on the PPAC
11 webpage. And we can -- so that's important to
12 know.

13 And the reason why I emphasize that is
14 one, the annual report really does, particularly
15 this year for 2020, is that we really wanted to
16 dig deep into all the issues and also to prime it
17 for 2021. The important feature, I think, that we
18 have in this year's report also is that we provide
19 live links to the key documents that we refer to
20 here today and also in the report. Once you open
21 that report, I think it makes it easy for you to
22 see the supporting documents or studies or any of

1 the additional reports that we refer to there.

2 So, with that, I'm going to ask
3 Kimberley to take over.

4 MS. ALTON: Great, thank you. Can
5 everyone hear me okay?

6 MS. MAR-SPINOLA: Perfectly.

7 MS. ALTON: Okay, great. Well, good
8 afternoon, everyone. The government affairs team
9 has been very busy this year. So, we'll certainly
10 talk about that as part of the presentation. And
11 also share with you all some of the things that we
12 are hoping to accomplish during this lame duck
13 session before Congress adjourns and the 116th
14 Congress comes to an end.

15 So, if we could go to the next slide,
16 please. So, at the top of the list is the
17 telework for U.S. Innovation Act. So, I'm just
18 going to go through a couple of bills that we
19 really are pushing and have our fingers crossed
20 that we will be able to get them across the finish
21 line this year. The first, as I mentioned, is the
22 TEAPP, the Telework for U.S. Innovation Act.

1 This is the popular telework program that we have
2 at the PTO. We have about 3,000 employees who are
3 a part of this program. It is set to expire.
4 It's a pilot that will expire on December 31st.
5 We're feeling pretty good. I don't want to jinx
6 anything, but we have a couple of paths to try to
7 get this across the finish line. And the bill
8 does have bipartisan and bicameral support, which
9 is huge to have both parties and both houses of
10 Congress come together in support of this
11 successful telework program at the PTO.

12 And then the next bullet, Patents for
13 Humanity Improvement Act. That is a bill that's
14 been passed by the House by voice vote, and we are
15 also optimistic that it will pass in the Senate.
16 This is the bill you all might remember it's
17 linked to our very popular Patents for Humanity
18 Program where the winners of that program are
19 given acceleration certificates that allow them to
20 have their patent application expedited. This
21 bill would allow those certificates to be
22 transferrable. So, we hope that we will see some

1 movement on that.

2 And then, of course, our funding. And
3 the government affairs team works very closely
4 with our colleagues in the Chief Financial
5 Officer's office on watching our appropriations.
6 Right now, we are operating under a continuing
7 resolution that expires on December 11th. So, we
8 are watching that. Congress has about three weeks
9 to sort of hammer through a omnibus bill that will
10 keep the government running. So, we will be
11 monitoring that closely.

12 Next slide, please. Sovereign Immunity
13 Study. And I believe my colleagues in OPIA might
14 have mentioned this study that we have been asked
15 to do by Senator Thom Tillis and by Senator
16 Patrick Leahy. They sent a letter asking that we
17 pull together a report that really looks at the
18 extent in which patent or trademark owners are
19 experiencing infringement by states or state
20 entities. There was a request for information
21 that went out and was published in the Federal
22 Register earlier this month. And we wanted to

1 make that link available and certainly welcome
2 public comments. If you click on that link, you
3 will be able to submit your public comments on
4 this issue. The deadline to submit comments is
5 December 21, 2020. We will certainly use those
6 comments and the OPIA team will use those to
7 produce a report that we will submit to Congress
8 next year.

9 Next slide. Also, we want to share that
10 Senator Thom Tillis, certainly a friend of the
11 Office has been very active. He's the Chairman of
12 the Senate Judiciary IP Subcommittee. He sent
13 letters to Director Iancu back in August and
14 September and he is really asking the Office to
15 consider certain reforms to some of our patent
16 processes. It's based on studies that came from
17 two university professors on things that we could
18 do and consider. I know that our Patents Office
19 has looked at that letter. I think conversations
20 have started to think about some of these
21 suggestions, these suggested reforms that we might
22 make.

1 You'll see the first bullet it's a
2 request that we really look at how to clearly
3 distinguish hypothetical examples that are given
4 in patent applications versus what's real. And
5 so, they really think that there should be more
6 clarity there. And then the second is really
7 related to disclosure of patent ownership. Really
8 asking that we do more. I know in one of the
9 letters the Senator suggested that perhaps we
10 provide incentives for applicants and owners to
11 give us more information on true ownership and
12 licensing and transfer so that there's more
13 transparency there and there's more
14 standardization there.

15 So, again, those are two requests that
16 we got from Senator Tillis. We've responded to
17 him to let him know that we appreciate those
18 requests and certainly want to work to make
19 improvements, and that we are looking into these
20 different reform ideas.

21 Next slide, please. The U.S. IP
22 Enforcement Coordinator earlier this month issued

1 his Joint Strategic Plan. And so, you all will
2 recall the IPEC. He is a officer within the White
3 House who is really responsible for coordinating
4 IP enforcement among all of the different federal
5 agencies. And so, this Joint Strategic Plan that
6 was released last month is really a compilation of
7 all of the work related to enforcement that's
8 going on within all of the different agencies.
9 So, it includes Commerce, Justice, Department of
10 Homeland Security, and even the Copyright Office,
11 and really just pulling together in one document
12 sort of what the strategy is as it relates to
13 enforcing and protecting IP. So, that report did
14 get some press earlier this month. So, we just
15 wanted to flag that for you all. Our enforcement
16 colleagues within OPIA do a lot of coordination.
17 There are a lot of interagency meetings that are
18 held by IPEC. And so, we certainly cooperate and
19 collaborate with our colleagues in that office.

20 Next slide. So, we wanted to just
21 really provide a recap of some of the success
22 stories that we feel that we have to share within

1 the Government Affairs Office in terms of the work
2 that we have done over these past two years within
3 the 116th Congress. So, of course, the CARES Act.
4 That was huge. There was a lot of time spent
5 really working with Congressional offices on
6 giving the Director the authority to extend
7 deadlines, to waive fees. And so, that was huge
8 and something that we really worked hard on and I
9 think it worked well for our stakeholders.

10 And then, of course, you all are most
11 familiar with the work related to the collected
12 fees from several years ago that continue to
13 remain in our treasury account. We've had a lot
14 of good conversations with Hill offices. They're
15 aware of it and we think that that is progress.
16 We'll continue to certainly push on that issue to
17 ultimately have access to those fees at some
18 point. And then, as I mentioned earlier, TEAPP,
19 the telework, so important to the Agency,
20 especially during this time when we are operating
21 under maximum telework for everyone at the Agency.

22 Next slide. And again, continued

1 successes. Patents for Humanity. And then last
2 is really drug pricing. We spent really a lot of
3 time last year before COVID, there was a huge
4 debate in Congress about drug pricing. Lots of
5 bills, lots of debate, and markups, and committees
6 in the House and Senate. And so, we did a lot of
7 education with Congressional offices with the
8 staff to really emphasize the importance of IP,
9 what it means, how it relates to advances that we
10 see in pharmaceuticals. And really tried to make
11 the case to preserve and protect strong IP rights.
12 There were bills out there that would have really,
13 in our view, undermined IP protection. And so, we
14 think that it was certainly a success on our part
15 to be able to work with our subject matter experts
16 at the PTO to have them come in and really talk
17 and have good conversations and briefings with
18 Congressional offices so there's a broader
19 understanding of kind of what's at stake as it
20 relates to drug pricing and patent rights.

21 Next slide. So, looking ahead to next
22 year and the 117th Congress. Certainly, Section

1 101 reform we know that that will continue to be
2 an issue. Senator Tillis is certainly focused on
3 that and we will work to be responsive and support
4 those efforts and monitor those efforts. Arthex,
5 we know that all eyes are on the Supreme Court
6 now, and we will see how -- what the Court
7 decides. And there have been hearings on this
8 issue, but I think everyone's sort of waiting to
9 see what happens with the Court decision and
10 whether or not there is some legislation that
11 would be necessary. So, we will certainly be
12 watching that.

13 And then drug pricing. As I mentioned,
14 we know that that will continue to be a issue and
15 so, there's so much turnover on Capitol Hill that
16 we often spend a lot of time reaching out to new
17 offices, when you have new members of Congress,
18 they have new staff. So, I really think that we
19 will spend a lot of time doing a lot more
20 education as it relates to drug pricing and IP.

21 Next slide. Well, that's it. Thank you
22 so much. And, please, let me know if you have any

1 questions. I know Branden is on the line and
2 we're happy to answer any questions.

3 MS. MAR-SPINOLA: Thanks, Kimberley.
4 That was great, a great summary. Branden, do you
5 have anything to add?

6 MR. RITCHIE: No, I think Kim did an
7 excellent job. I'll just say that Kim is
8 officially our Deputy Director at OGA. She just
9 got that role and we're very excited because of
10 her experience and expertise.

11 MS. MAR-SPINOLA: Congratulations --

12 MS. ALTON: Thank you.

13 MS. MAR-SPINOLA: -- Kimberley.

14 MS. ALTON: Thank you. Thank you.

15 MS. MAR-SPINOLA: Well deserved. Well
16 deserved. So, then with that and I don't see any
17 questions right now. Jennifer Camacho, do you
18 have any questions?

19 MS. CAMACHO: No, no questions from the
20 public either.

21 MS. MAR-SPINOLA: Okay, thank you. So,
22 let me finish the legislative side by making

1 PPAC's recommendations for 2020. Again, I urge
2 everybody to take a look at the annual report
3 because we have a lot more details in there. And
4 I think you'll find it very interesting and
5 important in terms of answering some of your
6 questions.

7 So, in terms of recommendations, the
8 PPAC recommends that the USPTO continue to engage
9 decision makers and other stakeholders to help
10 ensure that proposed legislative or administrative
11 changes are appropriately crafted and narrowly
12 targeted without adversely affecting the overall
13 patent system. To that end, the PPAC recommends
14 the PTO consider the affect of such changes in
15 terms of balance and fairness to all stakeholders,
16 the efficient operation of the examination
17 process, the quality of patents issued, and the
18 overall costs and burdens to the patent owners and
19 other participants in the patent system,
20 particularly in post-grant proceedings.

21 The PPAC also recommends that the USPTO
22 stay abreast of potential suggested legislative

1 changes regarding patent subject matter
2 eligibility under Section 101. The conduct of
3 PTAB post-grant proceedings and review proceedings
4 and legislation related to addressing the COVID-19
5 pandemic to the extent it affects the patent
6 system.

7 Further, the PPAC continues to support
8 raising the current mid-level rank of USPTO IP
9 attaches by one level. That is from first
10 secretary to that of counselor, which would give
11 the USPTO IP attaches parrotting and great access
12 to senior post-government officials to the
13 ambassadors at the respective embassies and to
14 senior industry representatives and support
15 consideration of other reasonable changes to allow
16 the IP attaches to more effectively accomplish
17 their mission.

18 We also at the PPAC supports the USPTO's
19 ability to access funds previously collected from
20 the USPTO users and credited to the USPTO's
21 treasury account. The PPAC urges Congress to
22 release those funds for the USPTO's sole use to

1 modernize its computer infrastructure and security
2 systems to allow examiners more time to consider
3 cited prior art to ensure higher quality patents
4 that are issued and that are durable and to
5 implement programs that ensure diversity in its
6 workforce and among the inventor community.

7 Lastly, the PPAC supports permanently
8 authorizing the TEAPP, TEAPP telework program so
9 that the USPTO can continue to reap the benefits.
10 I think that was TEAPP wasn't it? In any event,
11 so, that the USPTO can continue to reap the
12 benefit this program brings including the
13 approximately \$100 million in cost-avoidance
14 including in real estate costs, reduced office
15 space usage, as well as recruitment and retention
16 benefits associated with the program.

17 So, those are the PPAC's recommendations
18 on the legislative side. I think they're aligned,
19 for the most part if not completely, with what the
20 PTO's efforts have been but we want to, to the
21 extent that we can add our voices to that, there
22 you go. So, with that, if there aren't any

1 questions, then we're going to go to our last, but
2 never least, subcommittee discussion on finance
3 and budget. And I'm going to turn it over to Dan
4 Lang who has taken for the last six years of his
5 term quite a bit of the heavy lifting on the
6 finance side. So, let me turn it over to Dan.

7 MR. LANG: Thank you for that
8 introduction, Julie. But, I mean, the real heavy
9 lifting is done by the OCFO, you know, led by Jay
10 Hoffman, but also, you know, lots of people. Some
11 of whom, you know, appear at these meetings, but
12 also lots who are working behind the scenes on the
13 very important work of keeping the PTO's finances
14 in order.

15 And I'll start with, you know, a bit of
16 a summary of the annual report and then I'm going
17 to hand it over to Brendan Hourigan. Jay Hoffman
18 had an emergency that came up and can't join us
19 right now. But, you know, looking at the annual
20 report, which I urge everybody to take a look at
21 because there's a lot of detail in there about the
22 Agency's finances. And if you care about the

1 Agency's objectives of reliable and certain
2 patents and reducing pendency and providing
3 quality, then you should care about the financial
4 underpinnings of that. And what you'll see there
5 if you go read it is that the key event of the
6 year like in so many other arenas, was the
7 pandemic. The pandemic caused an economic
8 downturn and the economic downturn that creates
9 uncertainty about patent fees and the Office has
10 done a great job of managing that uncertainty.

11 I mean, over the course of the year, fee
12 collections stayed pretty close to plan. You
13 know, they were falling below plan, but then we
14 got a surge of prepayments because there was a fee
15 increase on October 2nd. And that's a very, you
16 know, very important inflection point also that we
17 mention in the annual report, there was a fee
18 review that had been going on for several years
19 that finally culminated in a fee increase. I
20 mean, the PTO made adjustments to its spending
21 plans and then it made additional contingency
22 plans that they prepared but they didn't put into

1 effect. They've been watching things very
2 carefully preparing for a range of outcomes.

3 The operating reserve group, we had a
4 good year in terms of not having any lapses in
5 appropriation authority, which has happened in
6 other years. And although we culminated one fee
7 review process from several years ago in the fee
8 increase that happened October 2nd, the other fee
9 review process has been in plight and that
10 resulted in a new proposal for a fee increase.
11 There was the President's budget released for FY21
12 and also this is the fiscal year that Jay Hoffman
13 took over as the chief financial officer.

14 So, our recommendations were, you know,
15 continue managing things carefully, maintaining
16 that stable funding is important. We reiterated
17 what Julie just mentioned about releasing
18 previously allocated -- or rather previously
19 collected user funds that are in the treasury
20 account that can only be used for the PTO as I
21 understand it. So, they should be released so
22 that the PTO can have more resources to pursue

1 quality timely examination, invest in modernizing
2 its infrastructure and, you know, maintain
3 stability in case there are future, you know,
4 reductions in collections or interruptions in
5 appropriation authority.

6 You know, we, you know, recommend the,
7 you know, the PTO increase its operating reserve.
8 We, you know, recommend like we have in previous
9 years that if there were to be an appropriation
10 lapse in the future, the USPTO should be able to
11 spend the money that it collects from users during
12 such a lapse. And, you know, we were lucky that
13 there wasn't such a lapse this year, but it could
14 occur in the future. And those monies can't be
15 used for anything else by loss. We would prefer
16 that they be made available to the PTO.

17 And on the topic of fee increases, you
18 know, we recommended some degree of caution. The
19 economy is still in a very fragile state. You
20 know, many individuals and organizations don't
21 have the funds that they usually would have to,
22 you know, to pay higher fees. And on the other

1 hand, it's really important that the fees continue
2 to stay in line so that the Office, you know, has
3 the money to provide high quality service. We
4 just say that the timing and magnitude of any new
5 fee adjustment should reflect, you know, what
6 economic conditions are and, you know, how it
7 might impact user participation in the patent
8 system. So, with that I will turn it over to
9 Brendan.

10 MR. HOURIGAN: Thank you, Dan. Are you
11 able to hear me okay?

12 MR. LANG: Yes, we hear you.

13 MR. HOURIGAN: Okay, great, thank you.
14 Okay, as Dan mentioned, I'm Brendan Hourigan, the
15 Director of Planning and Budget and I'm sitting in
16 today for Jay Hoffman who had a conflict he
17 couldn't avoid. So, this first slide this covers
18 the items that we'll be talking about at this
19 meeting and I'll be covering. We can go to the
20 next slide, please.

21 Okay, in looking at fiscal year 2020, as
22 we review it we start from when we first submitted

1 a plan in the FY 2020 President's budget with a
2 revenue expectation of 3.095 billion against an
3 expense expectation of 3.172 billion. The plan
4 assumed a fee rule implementation on January 1,
5 2021. Our expenses at that time assumed we would
6 fund more than 600 patent examiners did not
7 include the cost of impacts for the FY 2020 for
8 the pay raise that came from 2019. So, then we
9 fast forward to the beginning of FY 2020 and
10 you'll see in the table that we started FY 2020
11 with a plan for revenue expectation of 3.4 billion
12 against expenses of 3.256 billion. The plan
13 assumed a fee rule implementation of July 10,
14 2020. Our expenses at that time assumed we would
15 onboard 750 examiners.

16 In March and April, PTO made adjustments
17 to the spend plan to hedge against the pandemic
18 driven economic downturn and subsequent revenue
19 collection volatility. Most of these reductions
20 targeted the trademark business line since we were
21 seeing volatility in fee collections at that time.
22 Reductions that impacted the patent business line

1 included part of the hiring freeze and deferral of
2 patent examiner hires. We also prepared
3 contingency reductions in case we saw a
4 significant downturn on the patent side.

5 The Agency made a strategic decision to
6 delay the implementation of the fee rule from July
7 to October. As a result, you will see in the
8 second level of the table actual revenue was 3.3
9 billion, about 75 million below plan, and expenses
10 were 3.1 billion, approximately 105 million below
11 plan. These decisions, as well as accelerated
12 payments and renewal fees in advance of the fee
13 increase, resulted in the Agency maintaining its
14 operating reserves comfortably above minimum
15 levels putting the patent business line in a
16 strong financial position to start fiscal year
17 2021. Given the continued economic uncertainty of
18 the current environment and potential for
19 additional revenue volatility in the next 12 to 18
20 months, we think this conservative approach that
21 includes a stronger operating position, this
22 operating reserve position is appropriate.

1 Go to the next slide, please. Looking
2 at this chart, the blue bar is the FY 2020
3 authorized collection level. The green bar shows
4 the actual revenue collections. This chart is in
5 millions of dollars. Total collections for the
6 USPTO were just under 3.7 billion. This is about
7 232 million above the Agency's spending authority
8 level appropriated by Congress. It was 3.45
9 billion. When revenue collections exceed spending
10 authority, any funds collected in excess of the
11 authority are deposited into a separate treasury
12 account, which is called the Patent and Trademark
13 Fee Reserve Fund, better known as the PTFRF.

14 The PTFRF is not an operating reserve or
15 savings account and should not be confused with
16 the normal operating reserve. Most of these
17 additional collections, about 215 million, were
18 the result of the patent fee increase that went
19 into effect on October 2nd. The patent holder in
20 some instances, chose to pay their maintenance
21 fees early at the lower rate and those payments
22 happened prior to October 1st. Thus, a temporary

1 spike in patent revenues occurred.

2 For patents, our spending authority was
3 allocated at about 3.1 billion. In order to spend
4 these revenues in the Patent and Trademark Fee
5 Reserve Fund, they must be removed -- moved over
6 from that account to our regular USPTO salary and
7 expense account. This action requires
8 Congressional notification and approval and we
9 have initiated that process. We're expecting
10 approval later this quarter, which is quarter one.

11 Next slide, please. For this chart, the
12 blue bars are the fiscal year's ending balance of
13 the operating reserve for fiscal years '17 through
14 '20. The Y axis is the reserve balance in
15 millions of dollars. The red dashed line shows
16 the minimum operating reserve currently at 300
17 million, which is about one month of expenses.
18 And the green dashed line shows the optimal
19 operating reserve. It's about 780 million for
20 fiscal year 2020. The patent operating reserve
21 ended at 395 million for fiscal year 2020. This
22 is a \$12 million increase from the prior year and

1 it's comfortably above the minimum operating
2 level.

3 As I said in the prior slides, this
4 operating reserve level puts the patent business
5 line in a reasonably strong financial position
6 heading into the next fiscal year, despite
7 lingering risk of economic uncertainty and revenue
8 volatility over the next 12 to 18 months.

9 Next slide, please. This chart is
10 showing us the patent revenue rates for fiscal
11 year 2020. The X axis is in months in fiscal year
12 '20 and the Y axis is revenue in millions. This
13 is the rate that we receive revenue. Think of it
14 as a speedometer. Revenue rates have stayed
15 between 3.0 billion to 3.1 billion for the year.
16 This chart does not show any intermonth
17 volatility. For the last two months of the year,
18 revenues accelerated due to the accelerated
19 payment of renewal fees.

20 Next slide. This chart looks at
21 application revenue throughout fiscal year 2020.
22 The X axis is in months and the Y axis is

1 percentage above or below plan. The plan is noted
2 by the zero line, which you see going horizontally
3 across the lower third of the chart. The blue
4 line is the 20-day moving average showing the
5 percent difference between revenues collected and
6 the planned amount. The orange line shows the
7 aggregate year end trend for revenue above or
8 below the plan. From this chart, you can see we
9 dropped below plan for the last nine months of the
10 year with three negative drops in patent revenue.
11 One occurred in January, February timeframe.
12 Another occurred April through June timeframe.
13 And then another in August. Revenue declined as
14 much as 15 percent below plan.

15 Next slide, please. This chart looks at
16 the patent renewal fees through fiscal year 2020.
17 The X axis is in months and the Y axis is the
18 percentage above or below the plan. The blue line
19 is the 20-day moving average showing the percent
20 difference between renewal fees collected and the
21 planned amount. The orange line shows the 40-day
22 moving average. There is a spike in the moving

1 average values at the end of September due to the
2 patent maintenance fees accelerated payments, in
3 anticipation of the October 2nd fee rule effective
4 date.

5 Next slide, please. This slide is
6 looking at our accelerated payments. With October
7 2nd as the effective date for our fee increase, we
8 initially estimated that we would receive 445
9 million in early collections. We ended up
10 collecting on about 65 percent of this amount, a
11 total of 291 million. Of that 291, 266 was
12 received in fiscal year '20, while the rest was
13 received on October 1st in fiscal year 2021. We
14 expect that whatever fees we didn't receive as
15 accelerated payments, we will receive in fiscal
16 year 2021 at the higher fee rate.

17 Next slide, please. Moving on to fiscal
18 year '21, the USPTO has submitted a budget
19 proposal to Congress, which was done last February
20 asking for 3.7 billion in authority, of which 3.2
21 billion was for patents. Congress has not enacted
22 a budget for fiscal year '21, and instead, has

1 enacted a temporary continuing resolution, or CR,
2 as it's called. The CR is just a formula that
3 uses the spending level enacted from the prior
4 year, in this case 2020, and multiplies it by the
5 percentage of the year covered by the CR. For
6 this year, the CR goes through December 11th,
7 which is 19.7 percent of the fiscal year. To
8 calculate the spending authority under the CR, a
9 PTO multiplies the 3.45 billion from last year's
10 budget by the 19.7, which results in the 681
11 million. We add that to the 532 million from the
12 operating reserve, it gets us a total of 1.2
13 billion. Using last year's patent allocation,
14 that results in a billion in spending authority
15 for patents. This does not include the 215
16 million that's in the patent and trademark fee
17 reserve fund that belongs to the patent side.

18 When Congress approves that funding for
19 transfer to our main account, that money will also
20 be available. Until the Congress enacts a full
21 year appropriation and spending authority level,
22 the Agency will defer some of our spending

1 requirements until later in the year and
2 incrementally fund contracts in some cases to
3 conserve available funding.

4 Next slide, please. Excuse me. The
5 current fiscal year 2021 revenue fee collections
6 estimate is 2.86 billion. This forecast was
7 developed during the summer and assumed we would
8 receive 445 million in accelerated payments in
9 fiscal year 2020. We now know that we received
10 only 266 million of those accelerated payments.
11 So, the remaining 154 million plus the increased
12 costs due to the fee rule, is what we expect to
13 see in '21. Consequently, as a part of our normal
14 process, we are updating our fiscal year '21
15 forecast prior to submitting the Congressional
16 budget in February. The revised forecast expects
17 higher revenues in fiscal year '21 and we'll
18 discuss that information in our next meeting when
19 the forecast and budget changes have been
20 completed.

21 Next slide, please. So, as far as
22 staffing, the current fiscal year '21 hiring plan

1 includes 500 examiners, which is a net increase of
2 around 118 examiners. The 355 additional staff
3 includes non-examination staff, as well as other
4 production related positions.

5 Next slide, please. So, for the FY22
6 President's budget, we have a request that should
7 be submitted to Congress on or about February 8,
8 2021. The USPTO expects that appropriation
9 hearings will be held for DOC's FY 2022 budget by
10 the House and Senate Commerce, Science
11 subcommittees.

12 Next slide, please. And now a little
13 bit on the fee rulemaking. The new patent fee
14 rates took effect October 2, 2020, as I mentioned.
15 The Agency is still currently conducting a
16 biennial fee review. The review incorporates
17 recent assessments of fees to ensure that they
18 will generate sufficient multi-year revenue to
19 recover the aggregate cost of maintaining patent
20 related operations and support accomplishing the
21 USPTO's patent related strategic goals.

22 And that's it for my presentation.

1 Thank you.

2 MR. LANG: Thank you, Brendan. Are
3 there any questions?

4 MS. MAR-SPINOLA: This is Julie. I
5 think that we're going to have robust discussions
6 at the beginning of the year about these numbers,
7 right, and what else we can do. There is a lot to
8 contemplate and my guess is is that with the
9 ongoing -- or the resurgence of COVID, that there
10 may be other impacts. So, thank you, Brendan, for
11 that information. It's very helpful.

12 MR. HOURIGAN: Thank you.

13 MR. CALTRIDER: Brendan, I have a
14 question. This is Steve Caltrider. If you can go
15 back, I think it was your Slide 129, the patent
16 trademark fee reserve fund. I think I understand
17 the difference between that and the operating
18 reserve fund. But if you can walk me through
19 again the differences in those two accounts, that
20 would be helpful.

21 MR. HOURIGAN: Sure. And think of it a
22 little bit as internal versus external. So, the

1 operating reserve, the PTO operating reserve is
2 internal. So, it's part of our normal checkbook
3 let's say or our balance sheet. We have revenue
4 and expenses and whatever's left over is our
5 operating reserve, in simple terms.

6 However, when we collect -- so, if we
7 are appropriated a certain dollar amount and we
8 collect above that, then it goes outside of our
9 checkbook. It goes into this Patent and Trademark
10 Fee Reserve Fund. So, let's say \$4 billion is
11 appropriated to collect and we collect 402
12 billion, that extra 200 goes into the Patent and
13 Trademark Fee Reserve Fund. The 4 billion that's
14 in our -- that is our level, then anything that we
15 collect up to the 4 billion, anything we spend,
16 the remaining balance is our internal operating
17 reserve level. But anything we collect above the
18 4 billion goes into the PTFRF, which is outside of
19 our account. And then when we do the
20 reprogramming request and get that approved by the
21 Hill, then those monies are transferred in and
22 then our balance, if it was all happening at the

1 same time, would be the 4 billion two. Does that
2 make sense?

3 MR. CALTRIDER: That does make sense.
4 Can you perhaps ground me in terms of the
5 relationship of the PTFR fund with the essentially
6 close to billion dollars that Congress is -- that
7 we've collected and not yet been appropriated, was
8 that just under the law at the time so it doesn't
9 exist in this account? Or is that -- what's the
10 relationship with that money and this money?

11 MR. HOURIGAN: So, that's correct. That
12 was collected before the Patent and Trademark Fee
13 Reserve Fund account was ever established. So,
14 that's sitting in a different treasury account all
15 together. So, that's prior to the legislation
16 that created the PTFRF. So, anything after that
17 legislation established that PTFRF fund now goes
18 into the PTFRF, but anything that was collected
19 prior to that went into a treasury, a separate
20 treasury account that we don't have access to
21 immediately.

22 MR. CALTRIDER: All right, thank you.

1 MR. LANG: All right, well, sounds like
2 there are no further questions. I mean, I'll just
3 add in, you know, my thanks for the six years
4 working with the OCFO along with, you know, the
5 rest of the leadership of the Patent Office and,
6 you know, it's been a great pleasure to serve.
7 I've learned a tremendous amount and hope I'll be
8 in touch with the people I met at the Patent
9 Office and my PPAC colleagues in the future.

10 MS. MAR-SPINOLA: Thank you, Dan. Thank
11 you, Brendan. We appreciate everything that
12 you've reported on and, Dan, of course, you know,
13 no one could help the PPAC run the finance part of
14 the subcommittee than you. So, you're going to
15 leave a huge gap for us, but I think that this
16 closes our subcommittee's discussion. A couple of
17 closing -- I think we're going to finish early
18 unless there's anything more. Let me just double
19 check and see.

20 Okay, so, let me just two comments. Our
21 next PPAC meeting will be is scheduled for
22 February 11, 2021. The other dates are going to

1 be listed, again, on PPAC's webpage, and which
2 you'll find at the PTO's website. And then a
3 personal note to my PPAC friends, Steve, Dan, and
4 Mark, is that we thank you for your service. I
5 thank you for your service. I thank you for your
6 leadership and your leadership will be missed.
7 But we trust that you will continue to make
8 meaningful contributions to the patent system.
9 But really, most importantly, the three of you
10 will be missed. And so, that's basically what I
11 want to say to you all. Although, look for my
12 invitation later because we usually have our
13 dinner when we're at the quarterly meetings. So,
14 we'll have to make up for that.

15 And then to everybody else to all, take
16 care, be safe. Have a happy Thanksgiving and stay
17 healthy. Enjoy your family virtually or however
18 safe distance. So, I'm going to ask for a motion
19 to adjourn in a second.

20 MR. LANG: I move.

21 MS. MAR-SPINOLA: Okay, thank you, Dan.
22 Do I have a second?

1 MS. CAMACHO: Second.

2 MS. MAR-SPINOLA: Thanks, Jennifer. I
3 was thinking well, maybe we don't want to end this
4 meeting. But thank you everybody and we'll see
5 you soon.

6 (Whereupon, at 3:50 p.m., the
7 PROCEEDINGS were adjourned.)

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1 CERTIFICATE OF NOTARY PUBLIC

2 COMMONWEALTH OF VIRGINIA

3 I, Yilinase Mqadi, notary public in and
4 for the Commonwealth of Virginia, do hereby certify
5 that the forgoing PROCEEDING was duly recorded and
6 thereafter reduced to print under my direction;
7 that the witnesses were sworn to tell the truth
8 under penalty of perjury; that said transcript is a
9 true record of the testimony given by witnesses;
10 that I am neither counsel for, related to, nor
11 employed by any of the parties to the action in
12 which this proceeding was called; and, furthermore,
13 that I am not a relative or employee of any
14 attorney or counsel employed by the parties hereto,
15 nor financially or otherwise interested in the
16 outcome of this action.

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18 (Signature and Seal on File)

19 Notary Public, in and for the Commonwealth of
20 Virginia

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